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Knitline

Angela Gordon keeps up to date with what's new in knitting and crafts from around the country

STEAMING PLEATS

New from **In-Ex**, their latest pattern book of skirts for steaming, with the versatile and easy to use steaming kit and Add On kit, includes five pleated designs. The skirts are all knitted in French Crêpe using 1, 2 or 3 ends to achieve different skirt weights.

A flared skirt pattern knitted on the Brother Garter Carriage (leaving you free to get on with other jobs while it is knitted for you!) and requiring conventional steaming on an ironing board is another new design.

Beverley has also produced a new top pattern in French Crêpe, using a pretty lace design - ideal for mixing and matching with the various skirts.

The final new pattern this season from In-Ex is a waistcoat and matching pleated skirt in **Yeoman's Aurora** and decorated with **Citadella** tape.

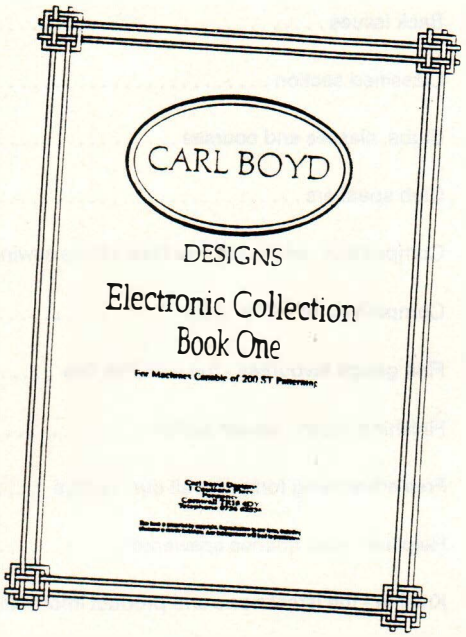
By popular demand, all patterns now include extra large sizes.

The Pleated Skirt book is £5.95, lace top and flared skirt are £2.00 each and the classic waistcoat is £3.00. To order your copy please send your cheque to **In-Ex Systems Ltd., PO Box 1459, Windsor, Berkshire SL4 2TP.**

ELECTRONIC COLLECTION

Carl Boyd's latest book, the **Electronic Collection,** contains four interesting sweater patterns incorporating large repeating designs. As with all Carl's designs, there are three interesting collar styles as well as the conventional ribbed band. The sweaters are all knitted in **Forsell Yarns** and can be knitted on Brother or Silver Reed electronic machines.

The fifth and final collection of Carl Boyd pattern leaflets for designs in Forsell Yarns will be shown for the first time at the NEC exhibition this year and thereafter will be available from selected dealers and by post from Carl.



All Carl's designs are now available on disk for the Brother FB100 disk drive and for DesignaKnit. **The Electronic Collection Pattern Book** costs just £5.95 and the accompanying disk is £4.95 each plus 50p postage or together for £10.90 postage free. Pattern leaflets are £1.25 each plus 36p postage for one design, 45p postage for two to four designs and 75p postage for five to eight designs. The disks for each set of 8 pattern leaflets (disks 1 to 5) cost £5.95 each plus 50p postage.

To order please send cheques to **Carl Boyd, 1 Coulsons Place, Penzance, Cornwall TR18 4DY.**

NEAT NECKLINES

The neckline is the most noticeable part of a sweater and, if not finished with the utmost care, can totally ruin an otherwise beautiful garment. **Nina Miklin**, who is renowned for the superb finish of all her wonderfully classic garments, has written a book entitled **Knit to Finish No 1 - Necklines** which has complete step-by-step instructions for knitting and finishing a perfect neckline.

The excellent instructions are backed up by over 70 close up photographs so that you can see exactly what you are required to do every step of the way.

Improve your necklines now by sending for this book. It costs £12.50 plus 45p postage in the UK, 80p in Europe and £1.70 everywhere else and is available from **Nina A Miklin, P.O. Box 1720, London W9 1TT.**

Brookville Design

MULTI-COLOUR FAIR ISLE

Brookville Design will be introducing their new Fair Isle technique this winter. After some months of research, they have come up with a new technique which produces a stripeless 3 colour per row effect, on the single bed machine, that is quite different from the usual multi-colour Fair Isle.

The resulting fabric is said to be light, with the soft feel associated with Fair Isle yet with the boldness and free flowing design of Jacquard.

Contact **Brookville Design, 39 Quilter Road, Felixstowe, Suffolk IP11 7JL** for further details.

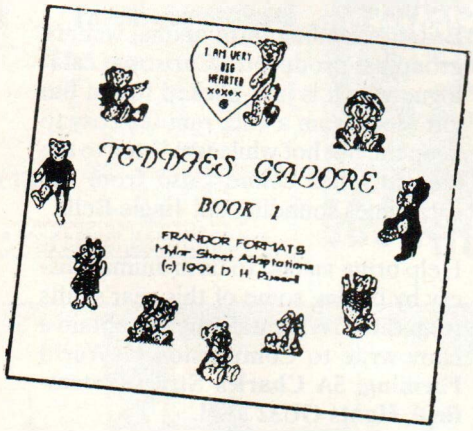
WOOLLY THOUGHTS

How to unlock your creative genius is the sub title of this new book by **Pat Ashforth and Steve Plummer.** We haven't yet seen a copy of the book but it sounds terrific. It has been described as the book that can teach a complete novice how to make colourful knitted patchwork and have fun at the same time. Quizzical looking sheep will take you through the entire process of making your own shapes and mixing your own colours to produce garments from knitted squares.

Woolly Thoughts has a highly original approach to knitting with particular appeal for complete beginners. It explores the possibilities of patchwork knitting in depth and uses geometrical shapes that really work.

While we suspect this book is written for hand knitting, it sounds as though it will contain lots of useful information for machine knitters. After all we can knit the squares even quicker! It should also be ideal for teaching our younger generation to knit (something we very definitely encourage whether by hand or machine) as they will find the sheep illustrations very appealing.

Woolly Thoughts is a paperback book published by **Souvenir Press, ISBN 0 285 63196 9,** which should be available in your bookshop now.



TEDDIES GALORE

A collection of delightful teddy bear designs have been compiled from public domain clip art into traceable mylar sheet templates by **Frandor Formats**. **Teddies Galore** can be found tucked away in books 1 to 5, together with a basic drop shoulder sweater pattern and instructions for making a quilt and bumper set for a baby's cot. Book 1 contains 10 different teddy designs.

The teddies really are cute and should capture the hearts of many youngsters. Most will fit onto the front of children size sweaters, while the large ones are ideal for putting onto a cot blanket.

The books cost £5.00 each or the complete set can be purchased for £22.50. Disks are available in PCX format only at the same price. Cheques should be made payable to **Mrs D. H. Russell and sent to 28 Norman Road, Holland-on-Sea, Essex CO15 5XS.**

CHUNKY ARAN SWEATERS

Family Aran Knits is the latest pattern book from **Willow Tree Knitwear**. The patterns include two sweaters for ladies/gents, a girls cross-over stitch and cable sweater, a boys cable polo neck sweater with Swiss darning detail and a small child's jacket which can be knitted with or without a collar.

All the garments are knitted on a chunky machine in **Yorkshire Mohair Mill's Charisma**, which is an acrylic and wool mix yarn.

The book costs £3.95 and is post free for a limited period to readers of *Modern Machine Knitting*. Please send your orders to **Willow Tree Knitwear, P.O. Box 8, Pontypool, Gwent NP4 7YA.** A catalogue with full details of all the Willow Tree Knitwear Pattern Books is available to our readers upon receipt of 2 x 25p stamps.

EXPERIMENT ON THE SINGLE BED MACHINE

Use your single bed to create some very interesting fabrics and garments without needing a ribber at all. **Fabrics and Designs** by **Diane Bennett** will show you how to do this.

The book takes you through stripes, cables, plating (a much under utilised facility on most Silver Reed machines), Fair Isle, Tuck, Slip, Weaving and Lace.

Practise the various techniques, including some combination techniques and then knit a garment using each technique in turn. There are six garment designs in all and a chapter about designing your own.

All in all this is a very useful book that will encourage you to experiment with your machine.

Also new by Diane but specifically for

Dear Readers

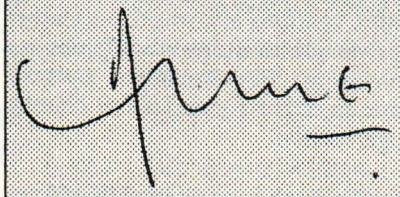
As I write, it's the season of mists and mellow fruitfulness - with some serious knitting to fit in before the Christmas rush starts again. I'm sure it's true that the years do gallop by the older you get - it's hard to believe that we're almost at the end of another year!

We've some wonderful news for you this month. Next year, in 1995, machine knitters will celebrate the 25th anniversary of the introduction of the world's first domestic, electronic knitting machine. To mark the occasion, *Silver Reed, FW Bramwell* and *Modern Knitting* are launching a new *Silver Machine Knitter Of The Year* Competition. It presents a great chance for you to use your machine knitting expertise and win some fabulous prizes.

The rules are simple - almost every machine knitter must have a cone of *Bramwell* yarn tucked away and, through contact with knitting clubs and friends, have access to a *Silver Reed* machine - you don't have to own one to enter the Competition! All of the details are on page 50, so do read all about it now! There's lots of time to enter, but we all know how quickly the weeks slip by and the mince pies and puddings will take over soon!

You can send in your entry at any time and we hope to feature an 'Early Arrivals' section in *Modern Knitting* each month. So, even if your entry doesn't make it through to the finals, you may see your work published in the magazine! It's a wonderful opportunity for you all and we very much look forward to receiving your entries.

Good luck and happy knitting.



Brother Electronic machines is **Motif Magic**. This book takes the knitter through programming and knitting single motifs, vertical motif panels, stepped Motifs, mirror image, two motifs, superimposed motifs and more.

The ideas apply to all electronic machines but the instructions for the programming are specifically for the Brother 950/i, 965/i, 940, 930, 910 and 270.

Fabrics and Designs costs £6.20, **Motif Magic** costs £5.50 and Designa-Knit or Brother FB100 disks to accompany the books are £4.75 direct from Diane at **9 Huntley Grove, Nailsea, Bristol BS19 2UQ.**

ETHNIC STYLE

Ethnic Style from Mexico to the Mediterranean is the title of a new book by **Miranda Innes** and published by **Conran Octopus.**

This is probably one of the most inspiring books of colour and pattern that we have ever seen at such a reasonable price. The first part of the book is devoted to International Ethnic and covers Europe, Africa, India, Asia and Oceania and the Americas. The second section is all about designs in different materials, including Wood, Rattan, Plaster, Paint, Textiles, and Ceramics.

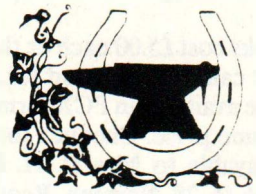
The colourful interiors and intricate patterning of the homes featured have to be seen to be believed. With this book to hand you should never again run out of ideas for colour combinations as there is something to suit everyone.

It is soft cover and at only £9.99 it is certainly a book for anyone interested in pattern and colours which of course includes all our readers. Look out for it in the design or crafts section of your local bookshop, **ISBN 1 85029 576 x.**

SWISS DARNING KITS

A new addition to the range of Swiss darning kits by **Sylvia Wynn of Forge Craft Creations** is a waistcoat featuring a beautiful spray of poppies on each front. The waistcoat pattern comes in either a standard or chunky gauge version.

Swiss Darning is an enjoyable and relaxing way of adding interest to a basic garment and Sylvia's designs are all truly lovely and the instructions are easy to follow.



The Swiss darning kit costs £7.99 plus 50p postage from **Forge Craft Creations, The Old Smithy, Pirton, Near Worcester WR8 9EJ.**

FROM JEANS TO JUMPERS

Environmentally friendly yarns made with recycled fibres have been a speciality of **Evergreen** for some time. Now they are offering recycled Denim yarn and matching Denim recycled Denim fabric.

The Denim yarn comprises of 100% recycled and 100% undyed, 50% recycled cotton Denim, 40% recycled Wool and 10% other fibres. It is available in true Denim colour in an Aran weight, on 50 gram balls which cost £1.45 per ball and on 1000 gram cones for £20.89 including postage. The yarn is scoured with a very mild detergent and has no softeners added.

For a totally co-ordinated look you can also purchase the Denim Fabric, which is 150 cm wide brushed or unbrushed, for £16.00 per metre.

If you prefer a more neutral colour you might prefer Evergreen's new Hemp yarn and fabric. The Hemp yarn is 40% Hemp, 40% recycled Cotton, 10% recycled Wool and 10% other fibres.

Hemp is a double knit weight yarn available in Porridge, Smoke and Harvest. A 50 gram ball costs £1.40 and a 1000 gram cone is £18.87.

Matching Hemp fabric is available for £15.50 per metre and is also 150 cm wide.

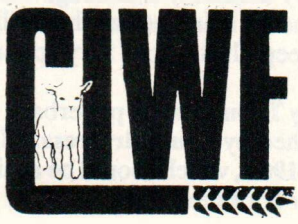
Order from **Evergreen, Albert Mills, Bradford Road, Batley Carr, Dewsbury, West Yorkshire WF13 2HE.**

ACTIONAID '94

For a catalogue full of superb Christmas cards and lots of unique and imaginative gift ideas, send for the **Actionaid '94 Christmas Catalogue.**

Actionaid works in 20 countries with some of the world's poorest children, families and communities enabling them to alleviate their poverty and secure lasting improvement to the quality of their lives. Actionaid works directly with communities and indirectly through advocacy and education work in the UK.

Send for a free catalogue to **Actionaid '94, Hamlyn House, Archway, London N19 5PG.**



COMPASSION IN WORLD FARMING

Britain's leading farm animal welfare group has produced a Christmas catalogue which is jam-packed full of fun gift ideas from a cute ram tea cosy to keep the pot hot while you listen to the elegant wind chime (also from the catalogue) sounding out Jingle Bells.

Help bring an end to farm animal misery by buying some of this year's gifts from the **CIWF** catalogue. To obtain a copy write to **Compassion in World Farming, 5A Charles Street, Petersfield, Hants GU32 3EH.**

BUNNY UNDIES

Keep out the chill this winter with thermal underwear, scarves, hats and mittens from the **Orkney Angora Thermal Clothing** range. If you've run out of knitting time before Christmas, there are also some lace scarves, sweaters, waistcoats and lots of other useful items.

Write for a catalogue to **Orkney Angora, Sanday, Orkney KW17 2AZ.**

CHARITY CATALOGUES

Since we are on the subject of Christmas Catalogues, we feel we should remind you that there are also five very worthwhile charities who annually produce excellent catalogues filled with some superb gifts.

The Marie Curie Cancer Care is the UK's largest provider of hospice beds, outside the NHS, with 11 centres dedicated to the specialist care of cancer patients.

Royal National Lifeboat Institution exists to save life at sea, providing the 24 hour service necessary to cover search and rescue requirements to 50 miles out from the coast of the UK.

Shelter is the largest national charity working on behalf of homeless and badly housed people.

WaterAid was created in 1981 to help poor communities in Africa and Asia to build their own safe water and effective sanitation systems.

World Wide Fund for Nature is the world's leading independent conservation organisation, dedicated to the protection of our fragile environment.

FUSIBLE VOLUME FLEECE

Still on the 'Let's keep out the cold' tack, we think that the new Fusible Volume Fleece from Vilene is an excellent idea. Use it to pad body warmers, jackets or even tea cosies and blankets all knitted by you of course.

The complete range, designed for handicrafts, home decoration, thermal fashion garments, quilting, appliqué and all aspects of decorative relief work, includes High bulk light-weight volume, Fusible Quilt Wadding and Fusible Volume Fleece. All qualities are washable and dry cleanable.

Look out for Vilene Fusible Volume Fleece in your local fabric store.

TURN YOUR OLD SHOES INTO GOLD!

Two new colours in the **Dylon** range of shoe dyes are Gold and Silver. **Dylon Shoe Colour** is a cheap and easy way of adding a great fashion statement to your feet. It can be applied to leather, synthetic and canvas shoes and has a durable finish that will not crack or peel.

Dylon Shoe Colour sells for just £2.25 and is available in most department stores.

OUT OF PRINT BOOKS

Are you aware that there is a free **Out of Print Book Service** available in the UK? Should you discover an out of print book and want to obtain a copy then will try to find a copy for you and advise you of the book's price and condition and will then despatch the book to you should you wish to purchase it at the quoted price.

8 ▶

There's a range of reasons why the top designers use Forsells.

Tickle Free 2,3 & 4 ply. | 4 ply Knitting. | Double Knitting. | 80% Acrylic. 20% Wool Knits as 4 ply. | Wool & Alpaca Knits as 3 ply. | 80% Acrylic. 20% Wool Knits as 3 ply.

Fine 4 ply | Wool with cotton slub Knits as fine four ply. | Machine washable 60% Wool. 40% Nylon. | 90% Wool 10% Silk. | Fine 4 ply.

Forsell

Forsell & Son Ltd., Blaby Road, South Wigston, Leicester LE18 4SG.

Distributors: **USA** – Nomi Lee Yarns, 142 Congressional Lane, Rockville, MD 20852. **CANADA** – Westrade Sales, 2711, no 3 Road Richmond, B.C. V6X 282 **AUSTRALIA** – Karingal Vic/Tas. pty Ltd. 10 Reid Street, Bayswater, Victoria 3153. **FINLAND** – Pikkusormustin, P.O. Box 13, SF 07171, Pornainen, T.N. 15-47482 **HOLLAND** – M & M Nederland, Molendwarsstraat 66, 7391 ZS Twello. **SWEDEN** – HB Olax Produkter, Box 26, S 191, 21 Sollentuna.

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You can write for an explanatory leaflet to **Out of Print Book Service, 13 Pantbach Road, Birchgrove, Cardiff CF4 1TU** enclosing a stamped addressed envelope.

DESIGNAKNIT LACE KNITTING

Angela Gordon was forever being asked how to knit lace with DesignaKnit. It sounds easy and why not? Fair Isle, tuck, slip, cables, weaving all pose no problems! After several weeks of heavy concentration, she has now worked out how it can be done on both Brother and Silver Reed electronic machines. Entering and downloading the pattern is no problem at all, but when you get to the actual interactive part of knitting it can be tricky. DesignaKnit registers different passes to the row counter so the normal way of knitting tension swatches and garments doesn't work. DesignaKnit Working Notes Stage Seven describe exactly how you can accomplish trouble free lace knitting with your computer. Let your computer tell you when to change carriage/setting and lace is much easier to knit!

DesignaKnit can also make converting hand knit lace patterns and designing your own patterns much easier than with pencil and graph paper. Angela has included several exercises for both simple and fashion lace for you to practise converting with her easy to follow step-by-step guide.

For knitters who prefer to use ready made pattern, a disk of Lace designs will be available shortly.

To order a copy of **Working Notes Seven, Lace Separation and Knitting,** please send a cheque for £4.50 to **Angela Gordon, 29 St Helens Road, Sandford, Wareham, Dorset BH20 7AX.**

EXHIBITION TIME

With the exhibition season in full swing now we just wanted to remind you of some you should visit if you live near enough.

Scotland's largest knitting and needlecraft exhibition takes place at the **Royal Highland Showground, Inglis-ton** from 28 to 30 October. There will be over 100 exhibitors offering yarns, sewing and knitting machines, spinning, weaving, accessories, literature, knit kits, designer knitwear, fabrics, haberdashery, crochet, tapestry, embroidery, toy making, patchwork, quilting and computer design software. There will be four fashion shows daily and the workshop and demonstration theatre will be the place to visit for help and advice.

The Merseyside Knitting and Needlecraft Exhibition, Liverpool's first, will take place at the **Docklands Exhibition Centre** from 4 to 6 November. This one will host over 150 exhibitors covering all aspects of knitting and needlecraft. Like the Scottish exhibition there will also be fashion shows and lectures throughout the three days.

Tickets for either of these exhibitions cost £4.00 for adults, £3.00 for Senior Citizens and children under 16 are free. Save 50p per ticket by booking now from **Nationwide Exhibitions (UK) Ltd., PO Box 20, Fishponds, Bristol BS16 5QU.**

The Knitting and Stitching Shows at Alexandra Palace from Thursday 20 to Sunday 23 October and at **The Exhibition Centre, Harrogate** from Thursday 24 to Sunday 27 November are are exhibitions not to be missed by anyone interested in knitting or needlecraft of any kind: There are displays, demonstrations and so many workshops to choose from you will need more than one day to see everything. Ticket hotline for advance ticket rates is 0394-270707 - call now and book yours.

NINA MIKLIN YARN FAIR

Responding to many enquiries for an open day, Nina will be holding a **Yarn Fair at the Victory Club, Marble Arch** on 17 November, following the Finishing courses held there on 15 and 16 November.

The complete range of her exclusive yarns will be on sale, together with some special exhibition lines and new colours not yet available by mail order. All Nina's latest designs will also be on display and the patterns will be available.

This is an excellent opportunity to discuss your yarn requirements with Nina in a relaxed atmosphere and beautiful surroundings.

Entrance to the Victory Club is free but you will require an invitation in the form of a copy of this write up. Alternatively you can send an SAE to **Nina Miklin, PO Box 1720, London W9 1TT** and an invitation will be posted to you.

JUNE COMPETITION RESULT

As we're sure you'll remember, the closing date for our June Competition was extended to the end of July because of a typographical error in the magazine - and some of our readers managed to get it correct even before we printed a correction to the puzzle in the July issue!

The solution to the competition was:

Game 1	Game 2
6 4 1 3 5 2	5 1 4 2 5
6 5 2 3 5 2 6	5 6 4 3 4 6

Our congratulations to the following readers who sent in the first three correct entries drawn from our post bag. They were **Mrs A. Snow of Slipend, LUTON; Mrs J. Coppin of BORDON and Mrs Anne Rees of TYWYN** who each win a fabulous **Keyto Ironing Cabinet.**

A year's free subscription to *Modern Machine Knitting* was awarded to each of the next ten correct entries drawn and the readers were:- Mrs E. Glover of Cheshire, Mrs May Stevenson of Kilwinning, Mrs M.A. Chambers of Kilmarnock, Mrs M. Inglis of Blackpool, Mrs S. Fisher of Kingskerswell, Mrs D. Ruth Smith of Scarborough, Mrs P. Croly of Banbury, Mrs M. Bunyan of Westerham, Mrs M.J.C. Rowe of Farnham and Cecilie Mortimer of St Osyth.

Well done everyone!

Competition

You can win the fabulous JANOME NEW HOME 1818 SEWING MACHINE worth £350 in our easy-to-enter competition

Janome New Home have recently launched the fabulous new 1818 sewing machine and we are delighted to offer one as a prize in our easy-to-enter competition

ANOTHER FIRST FROM Janome NEW HOME SEWING MACHINES

The **Janome 1818** is a lightweight freearm sewing machine packed full of practical features: 18 stitch patterns and a one step buttonhole mean you will never be stuck for creativity. It's all so easy!

Just set a button on the appropriate place on the buttonhole foot and lower the lever and a perfect buttonhole is automatically made in one step.

With a convenient one-hand thread cutter, a fail-safe needle insertion device and an extension table that stores useful sewing accessories, the Janome 1818 is a must for the everyday sewing enthusiast, and the perfect adjunct for the machine knitter.

A pattern selector dial and a stitch length dial mean ease of use with the highly attractive and reliable winner from Janome New Home.

To enter our competition . . .

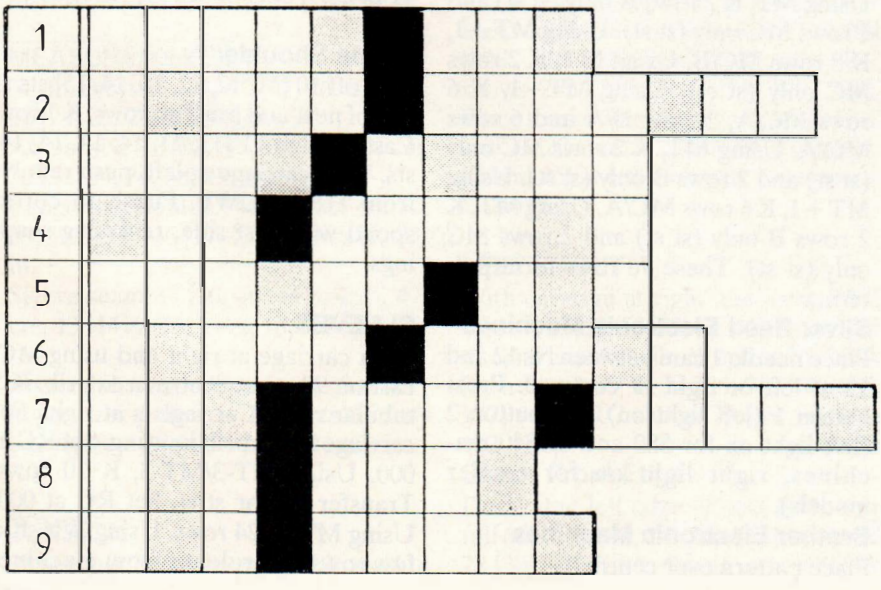
Put the missing word from these well known proverbs in the grid below. When you have done this you will see that the letters in the shaded squares, reading down the grid, will reveal three words which, no doubt, describe the outlook on life of some machine kniters!

Put the three words on a postcard or on the back of a sealed envelope, add your name and address, and send it to **November Sewing Machine Competition** at our address on page 3.

If you are not lucky enough to be our winner you can get further information on the 1818 from the **New Home Sewing Machine Co. Ltd., Janome Centre, Southside, Bredbury, Stockport, Cheshire SK6 2SP. (Tel: 061-430 6011).**

PROVERBS:

1. A bird in the hand is _____ ___ in the bush.
2. _____ _____ make most noise.
3. More haste ____ _____ .
4. It's no ___ _____ over split milk.
5. _____ ___ live in glass houses shouldn't throw stones.
6. He who pays the _____ _____ the tune.
7. ___ ____ _____ spoil the broth.
8. Look before ___ ____ .
9. ___ _____ bird catches the worm.



RULES

1. You should print your answer clearly on a postcard or on the back of an envelope together with your name and address and send it to: November Competition, Modern Machine Knitting, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW.
2. The competition is open to residents in the UK only, except employees of Modern Knitting Ltd., the magazine's typesetter, printer, distributor, employees of this month's sponsor and their relatives.
3. Your entry must reach us by 30th November 1994 and we accept no responsibility for entries lost or delayed in the post.
4. No cash alternative will be offered.
5. The winners will be the first five entries drawn from our postbag after the closing date.
6. The winners will be notified in writing and the competition result will be published in a future issue of Modern Machine Knitting.
7. The Editor's decision is final and no correspondence will be entered into regarding the competition.

Pattern 1

ARROWS IN REMBRANDT

An unusual collar and cuffs are a special feature of this Betty Barnden tunic in King Cole Anti-Tickle and Mosaics

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
King Cole Mosaics Anti-Tickle 4-ply.
(Yarn Guide No. 11.)
2 x 250g cones in Rembrandt (MC).
King Cole Anti-Tickle 4-ply.
(Yarn Guide No. 11.)
1 x 500g cone in Olive (A).
1 x 500g cone in Fawn (B).

GARMENT WEIGHT
Finished garment in second size weighs 550g.

The fibre content of these yarns is 100% Pure New Wool. For further information about these yarns, please write to the following address:- King Cole Ltd., Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 87 [92, 97, 102, 107, 112, 117] cm, 34 [36, 38, 40, 42, 44, 46] in.
Actual size 94 [99, 104, 109, 114, 120, 125] cm, 37 [39, 41, 43, 45, 47½, 49½] in.
Length to shoulder 72 cm, 28½ in.
Sleeve seam with cuff folded back 43 [44, 45.5, 46.5, 48, 49.5, 49.5] cm, 17 [17½, 18, 18½, 19, 19½, 19½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
30 stitches and 30 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 8).
31 stitches and 37 rows to 10 cm, 4 in measured over Fair Isle pattern using MT and MT + 1 (tension dial approximately 8 and 9).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Fair Isle Pattern
Using MT + 1, K 8 rows MC/A. Using MT, K 2 rows MC only (st st). Using MT + 1, K 6 rows MC/B, 2 rows A/B and 6 rows MC/B. Using MT, K 2 rows MC only (st st) and 2 rows A only (st st). Using MT + 1, K 6 rows MC/B. Using MT, K 2 rows A only (st st) and 2 rows MC only (st st). Using MT + 1, K 8 rows MC/B. Using MT, K 2 rows MC only (st st). Using MT + 1, K 6 rows MC/A, 2 rows B/A and 6 rows MC/A. Using MT, K 2 rows MC only (st st) and 2 rows B only (st st). Using MT + 1, K 6 rows MC/A. Using MT, K 2 rows B only (st st) and 2 rows MC only (st st). These 76 rows form pattern.

Silver Reed Electronic Machines
Place needle 1 cam between Ns 12 and 13 at left or right of centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK840 machines, right light on for earlier models).

Brother Electronic Machines
Place pattern over centre 0.

BACK
With carriage at right and using MC, cast on 148 [156, 164, 172, 180, 188, 196] sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-3/MT-3, K 20 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Using MT, K 2 rows. Release card and cont in Fair Isle patt. K 150 rows. RC shows 152. Place marker at each end. K 76 rows. RC shows 228. Remove card. Cont in st st and MC *. Using MT, K 22 rows. RC shows 250.

Shape Shoulder
Cast off 10 [11, 12, 12, 13, 14, 15] sts at beg of next 6 rows and 11 [11, 11, 14, 14, 14, 14] sts at beg of foll 2 rows. Cast off rem 66 [68, 70, 72, 74, 76, 78] sts.

FRONT
Work as for back to *. Using MT, K 2 rows.

Shape Neck
Using a length of MC, cast off centre 20 [22, 24, 26, 28, 30, 32] sts. Push 64 [67, 70, 73, 76, 79, 82] Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 6 sts at beg of next and foll alt row. Dec 1 st at neck edge of every row until 43 [46, 49, 52, 55, 58, 61] sts rem, then on every foll alt row until 41 [44, 47, 50, 53, 56, 59] sts rem. K 3 rows.

Shape Shoulder
Cast off 10 [11, 12, 12, 13, 14, 15] sts at beg of next and foll 2 alt rows, K 1 row. Cast off rem 11 [11, 11, 14, 14, 14, 14] sts. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVES
With carriage at right and using MC, cast on 90 sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-3/MT-3, K 10 rows. Transfer sts for st st. Set RC at 000. Using MT, K 24 rows. Using WY, K a few rows and release from machine,

Pants, KAYS. Earrings, ANDEA.

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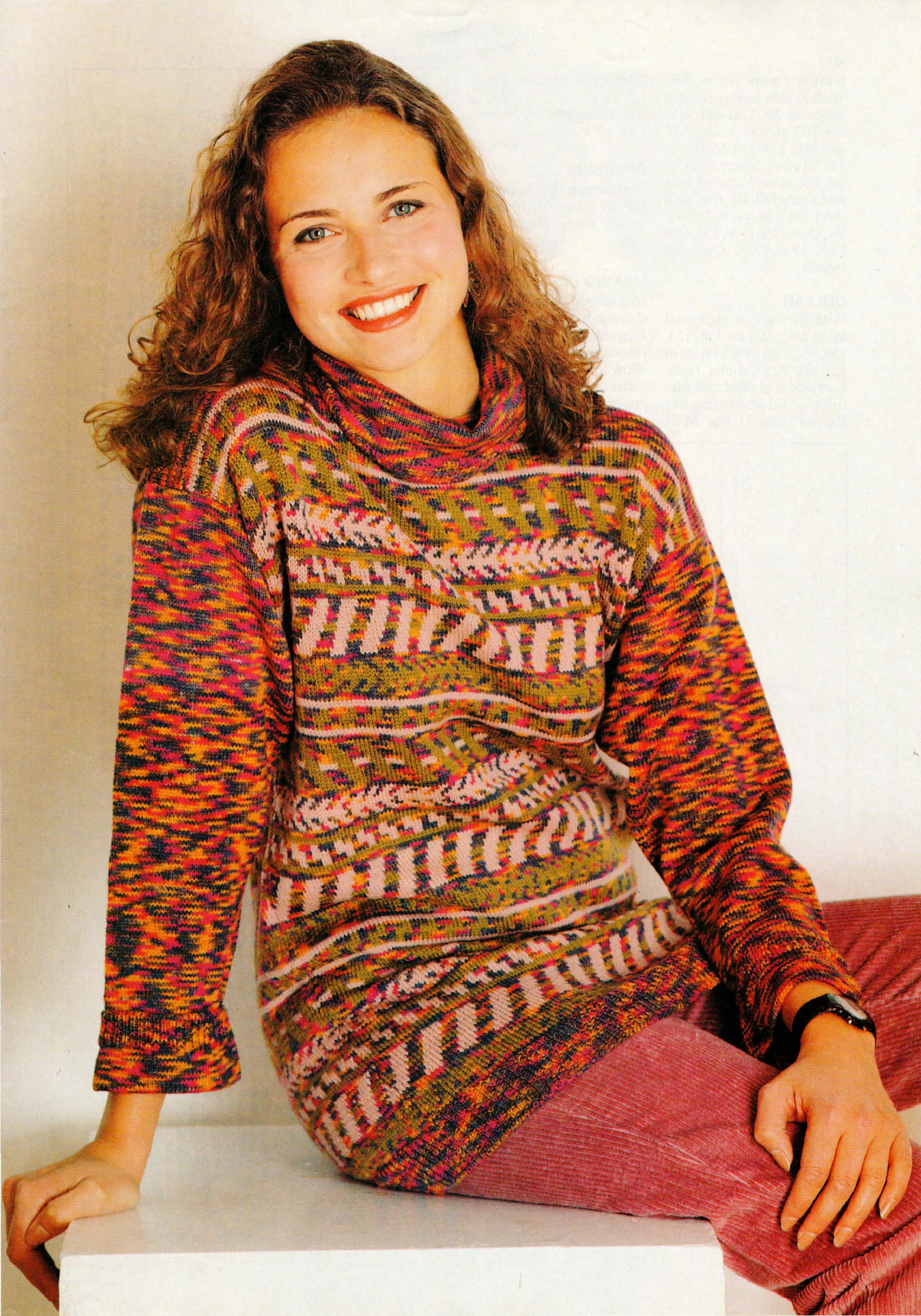

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leaving empty Ns in WP. With K side facing, replace sts on to Ns. Unravel WY. Set RC at 000. Using MT and MC, K 46 [50, 56, 60, 66, 72, 72] rows. Shape sides by inc 1 st at each end of next and every foll 4th row until there are 150 sts. K 3 rows. RC shows 166 [170, 176, 180, 186, 192, 192]. Cast off loosely.

COLLAR

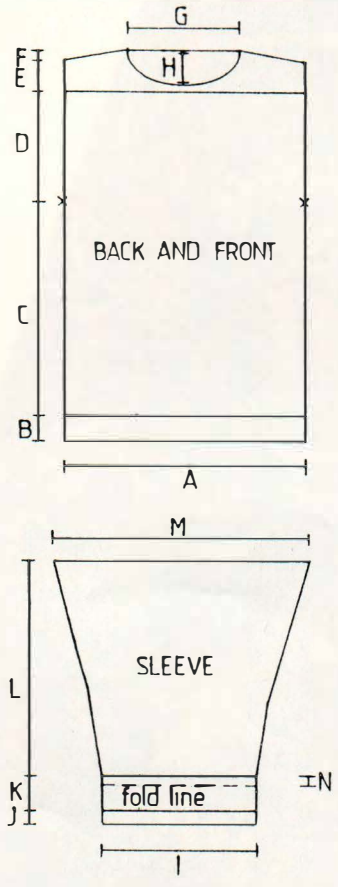
With carriage at right and using MC, cast on 150 [154, 158, 162, 166, 170, 174] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-2/MT-2, K 10 rows. Transfer sts for st st. Set RC at 000. Using MT, K 70 rows. Cast off loosely.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Steam carefully.

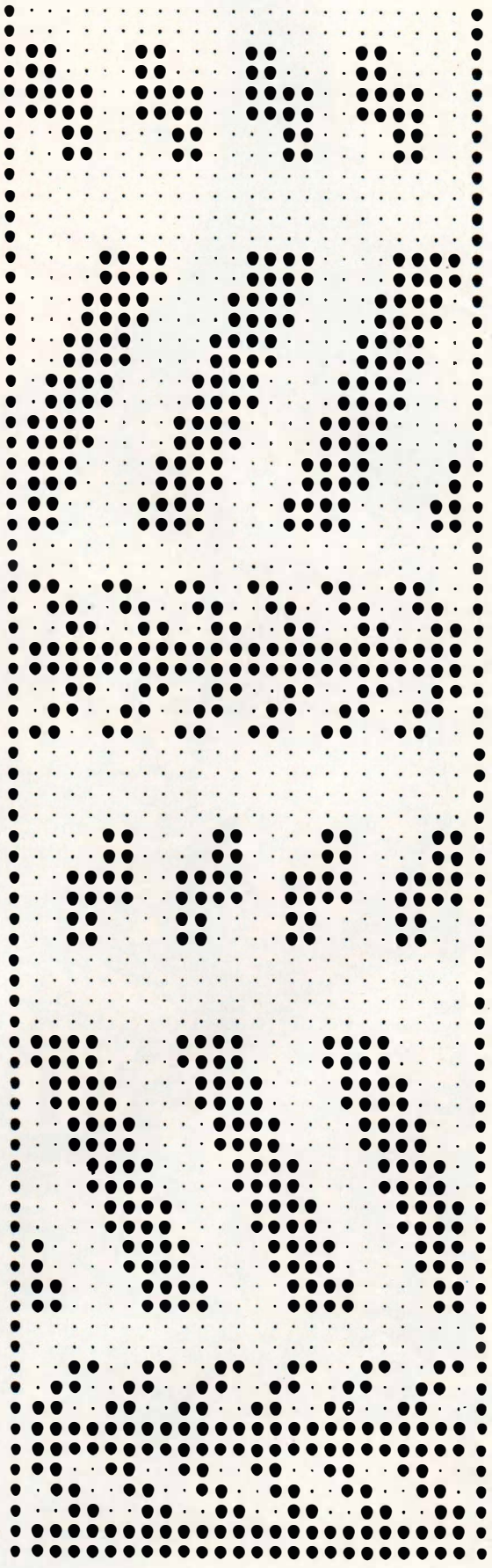
MAKING UP

Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams, reversing seams on cuffs to allow for folding back. Join collar seam. Sew collar into position. Fold cuffs to right side.



A = 47.5 [50, 52.5, 55, 58, 60.5, 63] cm
B = 5 cm
C = 41 cm
D = 20.5 cm
E = 5.5 cm
F = 2 cm
G = 22 [22.5, 23, 24, 24.5, 25, 26] cm
H = 7 cm
I = 30 cm
J = 2.5 cm
K = 6 cm
L = 41.5 [42.5, 44, 45, 46.5, 48, 48] cm
M = 50 cm
N = 1.5 cm

PUNCHCARD CHART



Helpline

Edited by Kamalini Trentham

Let us help you with your machine knitting queries. Our team of experts are here to advise on all aspects of machine knitting

I have often wondered what prompts machine knitters to acquire a knitting machine in the first instance. Would the need to knit a non-standard size such as long arms, narrow shoulders or to fit a short-waisted figure be the first motivation for many? Although for me personally, speed and variety of texture was the initial attraction rather than customised sizing - I was near enough a standard size in those days! - customised sizing became my most used feature.

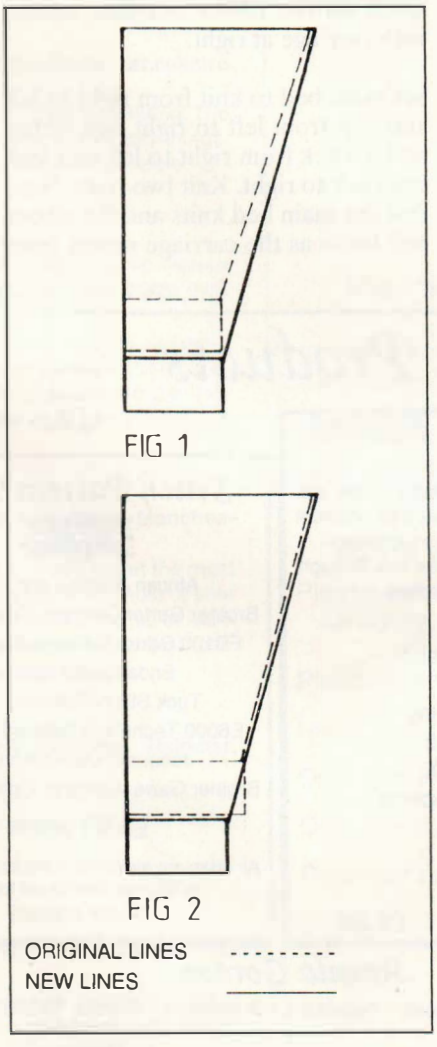
Making a pattern from scratch using ones own body measurements is not difficult, but it does require a certain understanding of the basic principles. However, altering a pattern to fit is simple and there are always shortcuts to be found.

Jean Hearst of Pontefract wrote to us for help in altering the sleeve length. She writes:-

Will you please help me? I make myself a lot of cardigans and jumpers, but I'm short-waisted and short-armed and I find that although I can cope with altering the body length, I can never adjust the sleeve! It's either too long or too narrow. I would be grateful for a little instruction on how to to make my sleeves bracelet length and yet wide enough for comfort. I am 80 years old and have been knitting on a Knitmaster machine since 1970 and still enjoy it.

Thank you, Jean for taking time off to write to us. The simplest way to reduce the length of the sleeve is to shorten it at the beginning. This will leave the shaping of the cap unaltered as there will be the same number of stitches at the upper arm as the original pattern. For this reason, shortening at the beginning can be used for all types of sleeves whether they be raglan, set-in or straight.

You do not say whether or not you use a Knit Radar? If you do use Knit Radar, it is easy to redraw the sleeves to your size as shown in the drawings below. As you can see, Figure 1 is a tighter fitting sleeve which has an altered shaping whereas Figure 2 has a slightly looser cuff and the shaping slope is unchanged.



However, if you do not use a Knit Radar, it is still easy enough to alter the length. Decide how much you need to decrease in length, say two inches. Convert this into the number of rows. So, if you're knitting at ten rows to the inch, you will require 20 rows less for the correct length. Now you need to know how many increases you would have done in these 20 rows if you were following the pattern.

Usually a pattern instructs you to set the row counter at 000 at the start of the shaping, after the welt has been knitted. If the pattern requires one stitch to be increased at each end on the next and following fifth rows, then four increases would have been worked each side - a total of eight stitches when the row counter reads 20. You now have two choices.

Firstly, you can cast on eight more stitches than required by the original instructions, knit the welt then carry on increasing according to the pattern. When you have completed all the increases, you should have the correct number of stitches for the upper arm but 20 rows less than the pattern states. The sleeve at the cuff may be slightly looser which you may well find more comfortable.

Secondly, you could cast on the same number of stitches as the pattern and knit the welt. Increase the extra stitches across the row immediately after the welt. (Use a garter bar, if you have one, to move the stitches.) The result is a slight fullness with a fitted welt.

I hope this is of help to you as well as to other short-armed knitters.

Although knitting machines are capable of producing an enormous variety of textures and stitch patterns, the most commonly used feature - without a doubt - is Fair Isle and the least used feature is pile knitting. This may be because pile knitting is not a standard feature of all machines. It is a much slower technique than Fair Isle - even on the machines that do have the facility to create pile fabric (standard on all Silver Reed and Knitmaster and an optional accessory on Toyota 901 and 950 machines).

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Mary Faulkner of Shrewsbury is keen to learn more about the pile knitting technique which is a special, standard feature of her knitting machine. She writes:-

Please could we have more information and some patterns for pile knitting? As this is something unique to Silver Reed, I'd like to know more than is given in the ribber instruction book. I own a Silver Reed 740.

Thank you, Mary for your letter. We have had several requests for more information on the pile knitting technique of Silver Reed machines. These machines indeed are unique in the way they produce pile fabric and, I feel, this feature certainly deserves to be better understood. As it is not really possible to describe the intricacies of the technique in the space allocated for 'Helpline', I'm putting in a special request, on your behalf, to our Editor for an article - or even a series - on pile knitting.

Meanwhile, here is an easy way to produce simple pile fabric on all machines. This is particularly suitable for cuffs, collars and bands.

In this method, only one end is used to produce the pile as well as the backing. Cast on over both beds and hang the cast-on comb. It is very important that the teeth of the cast-on comb are parallel to the ribber sinker gates. Drop all main bed stitches and, if you have hung the comb correctly, it should now hang on the ribber stitches. If not, it will drop off and you'll have to start again!

Hang weights and set the ribber tension to the tension needed to knit stocking stitch. The main bed tension determines the size of the pile loop. For practical purposes, use Tension 1. Set the main bed to slip in both directions and knit a few rows in stocking stitch on the ribber needles, ending with carriage at right.

Set main bed to knit from right to left and slip from left to right. Set ribber bed to tuck from right to left and knit from left to right. Knit two rows. Note that the main bed knits and the ribber bed tucks as the carriage moves from right to left. When the carriage is returned from left to right, the main bed slips while the ribber bed tucks. Remove the stitches from the main bed by using a pusher to bring all needles to holding position and then return them to working position. Continue knitting and removing loops every two rows.

Owners of Silver Reed punchcard machines must make sure that there is no card in use; owners of Silver Reed electronic machines should use the C setting on the main bed. There is no need to switch an electronic machine on.

The loops can be cut to produce a sculptured look, but the fabric must be steamed before the pile is cut. Please also note that this method cannot knit embossed designs as produced by the Silver Reed pile knitting technique.

I hope you enjoy trying out this easy method. Do look out for more information on pile knitting in a future issue of the magazine.

Angela Gordon Products

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Trims, edgings and braids

CROCHET MESHES

So far, we have looked at the latch tool cast-on and some of its variations. We now explore the latch tool cast-off to create a crochet, mesh look

Crochet meshes have a very distinct structure, different from meshes created by other techniques such as machine or hand knitted lace. The characteristic feature is the horizontal ridge - created by the chain - which separates each row. Chain cast-off, followed by picking up half or full chain, simulates this effect. These meshes can be knitted at the beginning or end of a piece and can also be used as an insert.

MESH 1
Sample 1

1. The pattern requires an odd number of stitches. Crochet cast-on over the required number of needles.

2. Drop stitches off from alternate needles as follows:-

JJ - J - J - J..... - J - J - JJ

J is needle with stitch
- is needle without stitch left in working position

3. Knit one row on main tension and one row five full sizes looser than main tension. Crochet cast-off. Do not break yarn. Hang the last stitch back on the end needle.

4. Hang stitches on the first and every following alternate needle, ending with a stitch on last needle, as shown below:-

J - J - J - J..... - J - J - J

J is needle with stitch
- is needle without stitch left in working position

5. Follow instructions for Step 3.

Repeat Steps 2 to 5 inclusive as many times as required. If the mesh is knitted at the beginning, change to the main stitch either immediately after Step 4 or hang a stitch on every needle at Step 4 (as in Sample 1), before changing to main stitch. If the trim is knitted at that end, finish garment with a cast-off at Step 3 or 5.

For an insert, knit up to the insertion point and crochet cast-off the entire row. Begin the trim by rehanging either as in Step 2 or 4. Knit the insert by repeating Steps 2 to 5 inclusive. Finish insert at Step 4 or hang stitch on every needle at Step 4 and continue knitting.

Sample 2

This sample shows every stitch hung at the end of the insert before starting the main knitting. As it's much easier to cast off from left to right - unless you're left-handed! - knit the loose row from left to right. A linker can be used to cast off, but as the linker casts off from right to left, remember to knit the loose row from right to left!

MESH 2
Sample 3

This pattern is a repeat of three stitches and requires an extra stitch at each end for the seam.

1. With carriage at right, latch tool cast-on from the left over the required number of needles. Drop stitches as follows and arrange empty needles in positions shown in set-up below.

JJ + - J + - J + - J..... + - J + - J + - J

J is needle with stitch
- is needle without stitch left in working position
+ is needle without stitch and returned to non working position

2. Knit one row at main tension. Carriage at left.

3. Bring needles returned to NWP at Step 2 back to WP.

4. Knit two rows at main tension. Carriage at left.

5. Set tension dial at five full sizes looser than main tension and knit one row. Carriage at right.

6. Chain stitch cast-off the entire row with a latch tool.

7. Hang work back on the needles, as shown below, using half the chain of the cast-off edge.

J + - J + - J + - J..... + - J + - J + - JJ

J is needle with stitch
- is needle without stitch but in working position
+ is needle without stitch returned to non working position

8. Follow instructions for Step 2.

9. Follow instructions for Step 3.

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10. Follow instructions for Step 4.

11. Follow instructions for Step 5.

12. Follow instructions for Step 6.

13. Hang work back on needles as shown below:-

JJ + - J + - J + - J.....+ - J + - J + - J

J is needle with stitch
- is needle without stitch left in working position
+ is needle without stitch returned to non working position

Repeat from Step 2 to Step 13 inclusive for the depth required.

The transition to main knitting can be made either at Steps 2 and 8 or at Steps 7 and 13. If changing over at Steps 7 and 13, rehang every stitch of the cast-off row (one stitch on every needle), before continuing the main stitch pattern.

Sample 4

This shows the above variation, knitted in two colours.

MESH 3

Sample 5

This pattern is a repeat of four stitches and requires an extra stitch at each end for the seam.

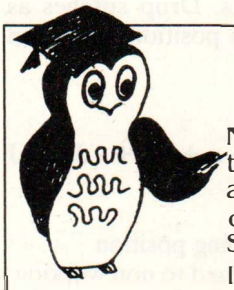
1. With carriage at right, latch tool cast-on from the left over the required number of needles. Drop stitches as follows and arrange empty needles in positions shown in set-up below.

JJ - - - J - - - J - - - J.....J - - - JJ

J is needle with stitch
- is needle without stitch

Push empty needles to holding position.

2. Lift stitch on to latch tool from the first needle on left. Push needle to holding position and cast on again. Lift stitch from the next needle (there should now be two stitches on the latch tool). Cast off by laying yarn in hook of latch tool and pulling it through both stitches on the tool. Cast on over the second and following three empty needles. Lift the next stitch on to the latch tool and cast it off, as given above. Push the needle to holding position and cast on



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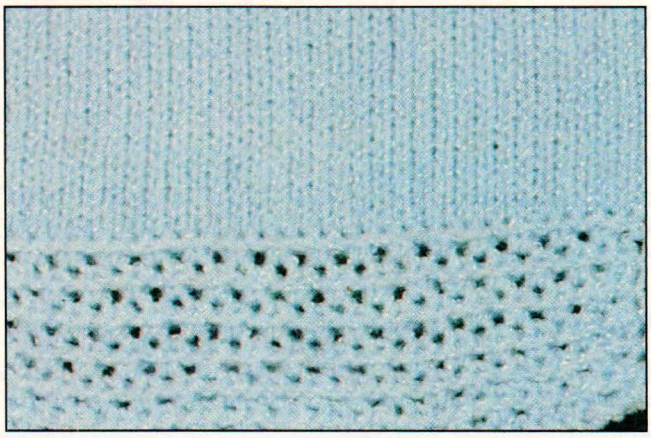
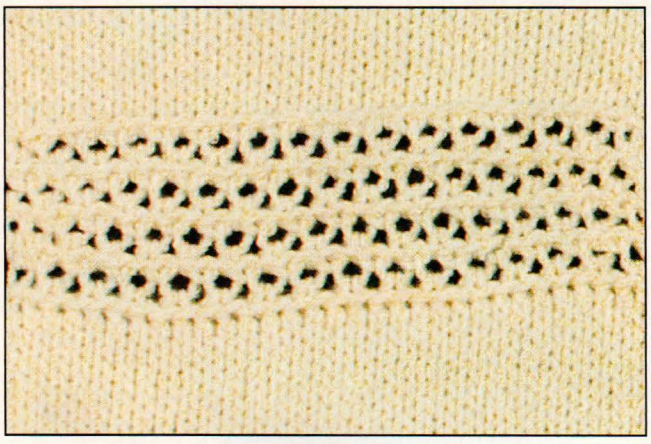
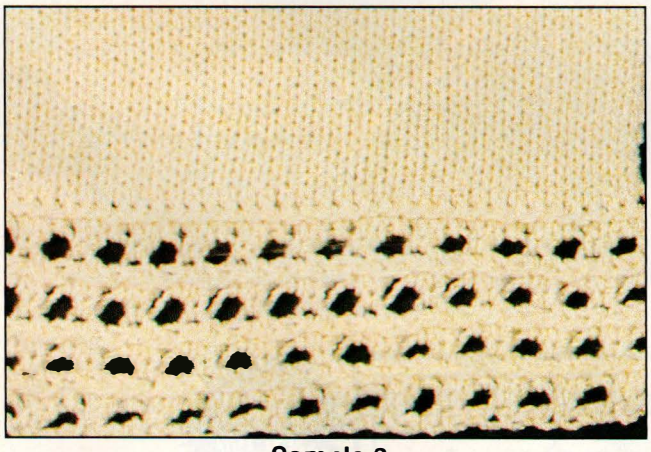


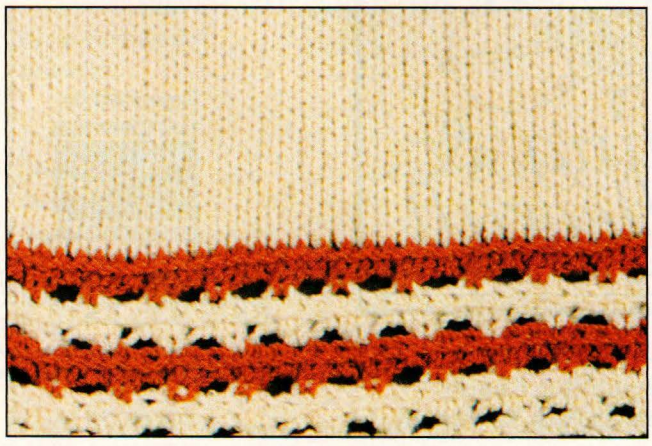
Sample 1



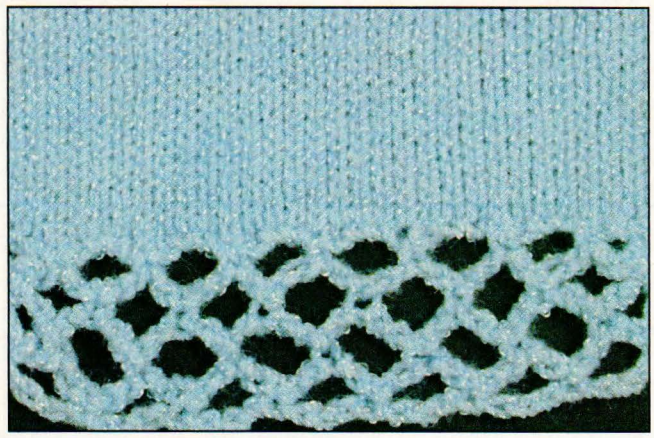
Sample 2



Sample 3



Sample 4



Sample 5

again, then cast on over the next three empty needles. Continue casting off and casting on until the last needle on the right has had a stitch cast on. Let the latch tool (with the loop in the latch) hang from one of the pegs in the sinker gate. All needles now have stitches again.

3. Drop stitches as follows:-

J - - J - - - J - - - J - - - J . . . . . J - - J

J is needle with stitch
- is needle without stitch

4. Follow instructions for Step 2.

5. Drop stitches as for Step 1.

Repeat from Step 2 to Step 5 inclusive as many times as required and finish with Step 2 before knitting the main pattern.

*** HINTS AND TIPS ***

1. I always hand-feed yarn whilst knitting these trims.

2. I suggest that you use a slightly tighter tension for the trim than you use for the main knitting.

3. When knitting the loose row, let the yarn flow be slack to get a loose cast-off.

4. As a rough guide for hand-feeding 4-ply acrylic, use tension 4 for the trim, tension 9 or 10 for the loose row and tension 5 for the main knitting.

5. Always knit a sample and adjust the tension, if necessary.

Kamalini Trentham

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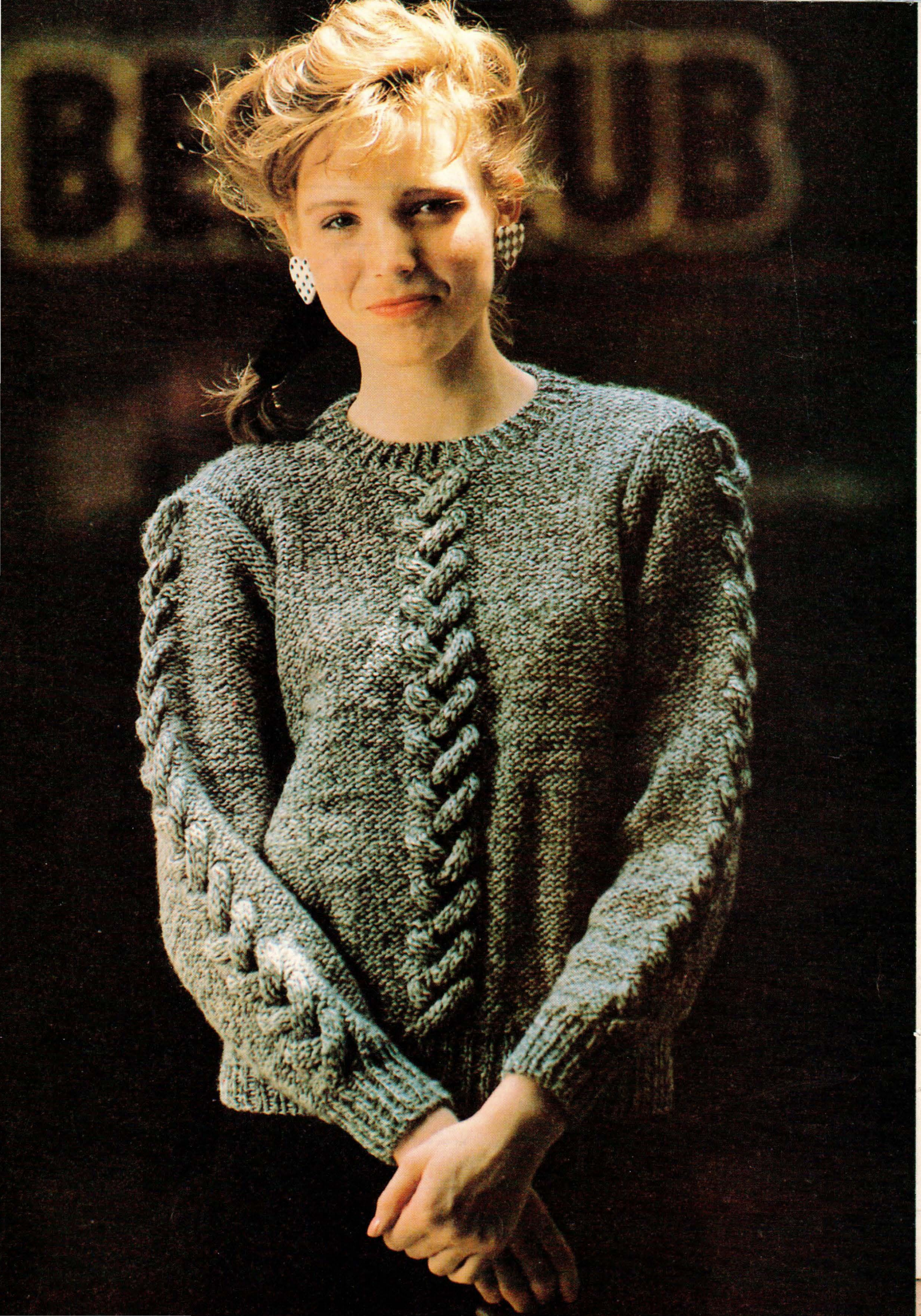


Pattern 2

CROSS-CHECK

This stunningly simple sweater will mix 'n' match perfectly with your winter separates. The clever cables are simple cords, threaded through pattern holes after knitting and the design is an exclusive pattern from Japan, courtesy of Silver Reed

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for Silver Reed 9 mm chunky machines with a ribber. If you don't have a ribber, work ribs in mock rib or knit by hand or use latch tool method.

MATERIALS
The original yarn used is not available in this country, but we suggest your own choice of **Very Thick Yarn.** (Yarn Guide No. 19.)
Approximately 500 [550]g in Grey Mix (MY).

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82-87 [92-97] cm, 32-34 [36-38] in.
Actual size 105 [114] cm, 41.5 [45] in.
Length to shoulder 56.5 cm, 22½ in.
Sleeve seam 47 cm, 18½ in.

Instructions are written for the first size, larger size follows in brackets. If only one figure is given, it applies to both sizes.

TENSION
14 stitches and 21 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 5).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used purl side of knitting as right side of garment.

BACK
Push 76 [82] Ns at right of centre 0 to WP. Using MT and WY, cast on and K a few rows, ending with carriage at right *. Set RC at 000. Using MY, K 58 rows.

Shape Armholes
Cast off 5 sts at beg of next 2 rows. Dec 1 st at each end of every row until 58 [64] sts rem, then on every foll alt row until 54 [60] sts rem, then on every foll 3rd row until 50 [56] sts rem. K 30 rows. RC shows 104. Push 11 [14] Ns at left and right to HP. Using WY, K a few rows over rem 28 Ns and release from machine. Push 11 [14] Ns at right from HP to UWP. Using WY, K a few rows and release from machine. Push 11 [14] Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

FRONT
Work as for back to *. Set RC at 000. Using MY, cont in patt from chart over centre 8 Ns. K 58 rows.

Shape Armholes
Cast off 5 sts at beg of next 2 rows. Dec 1 st at each end of every row until 58 [64] sts rem, then on every foll alt row until 54 [60] sts rem, then on every foll 3rd row until 50 [56] sts rem. K 12 rows.

Shape Neck
Push 30 [33] Ns at left to HP and cont on rem sts for first side. Dec 1 st at neck edge of every row until 16 [19] sts rem, then on every foll alt row until 12 [15] sts rem. K 2 rows. Dec 1 st at neck edge of next row. 11 [14] sts. K 3 rows. Using WY, K a few rows and release from machine. With carriage at right, push 10 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVES
Push 42 Ns at centre to WP. Using MT and WY, cast on and K a few rows, ending with carriage at right. Set RC at 000. Using MY, cont in patt from chart over centre 8 Ns. Shape sides by inc 1 st at each end of every 6th row until there are 68 sts. K 6 rows. RC shows 84.

Shape Top
Cast off 5 sts at beg of next 2 rows and 2 sts at beg of foll 6 rows. K 1 row. Dec 1 st at each end of next and foll alt row. Cast off 2 sts at beg of next 6 rows. Cast off rem 30 sts.

WELTS
With carriage at right and using MY, cast on 66 [72] sts in 1x1 rib. * K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 18 rows. Transfer sts for st st *. With K side facing, replace 76 [82] sts from lower edge on to Ns, gathering evenly. Using MT + 2, K 1 row. Cast off.

CUFFS
With carriage at right and using MY, cast on 34 sts in 1x1 rib. Work as for welts from * to *. With K side facing, replace 42 sts from lower edge of sleeve on to Ns, gathering evenly. Using MT + 2, K 1 row. Cast off.

TO JOIN RIGHT SHOULDER
Push 11 [14] Ns to WP. With P side of right back shoulder facing, replace sts on to Ns. With K side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT + 2 and MY, K 1 row. Cast off.

NECKBAND
With carriage at right and using MY, cast on 72 sts in 1x1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 8 rows. Transfer sts for st st. With K side facing, pick up 28 sts across back neck, 17 sts down right side of front neck, 10 sts across front neck and 17 sts up left side of front neck and place on to Ns. Unravel WY. Using MT + 2, K 1 row. Cast off. 22▶

Reproduced courtesy of Silver Reed International Collection.

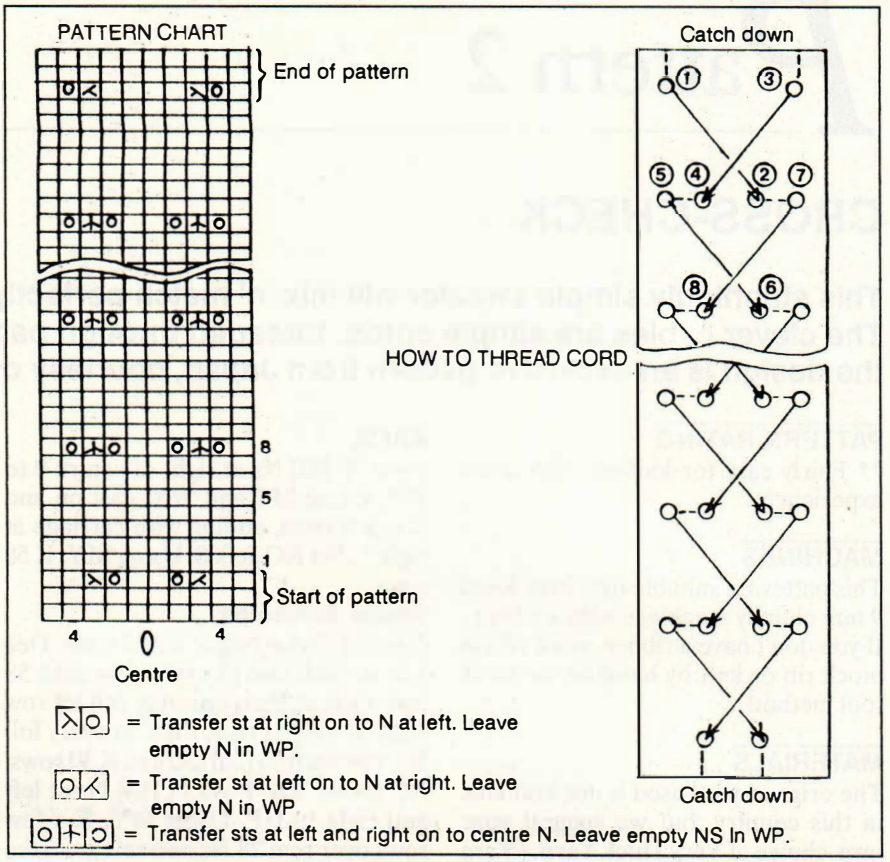
TO JOIN LEFT SHOULDER
Work as for right shoulder, reading left for right.

FRONT CORDS (Make 2)
Using MY, cast on 6 sts by hand. Set RC at 000. Using MT-1, K 168 rows. Cast off.

SLEEVE CORDS (Make 4)
Using MY, cast on 6 sts by hand. Set RC at 000. Using MT-1, K 180 rows. Cast off.

PRESSING
With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

MAKING UP
Join side and sleeve seams. Set in sleeves. Join neckband seam. Thread cords through front and sleeves as shown on chart and secure ends.


PATTERN CHART
End of pattern
8
5
1
Start of pattern
4
0
4
Centre
= Transfer st at right on to N at left. Leave empty N in WP.
= Transfer st at left on to N at right. Leave empty N in WP.
= Transfer sts at left and right on to centre N. Leave empty NS In WP.
HOW TO THREAD CORD
Catch down
Catch down

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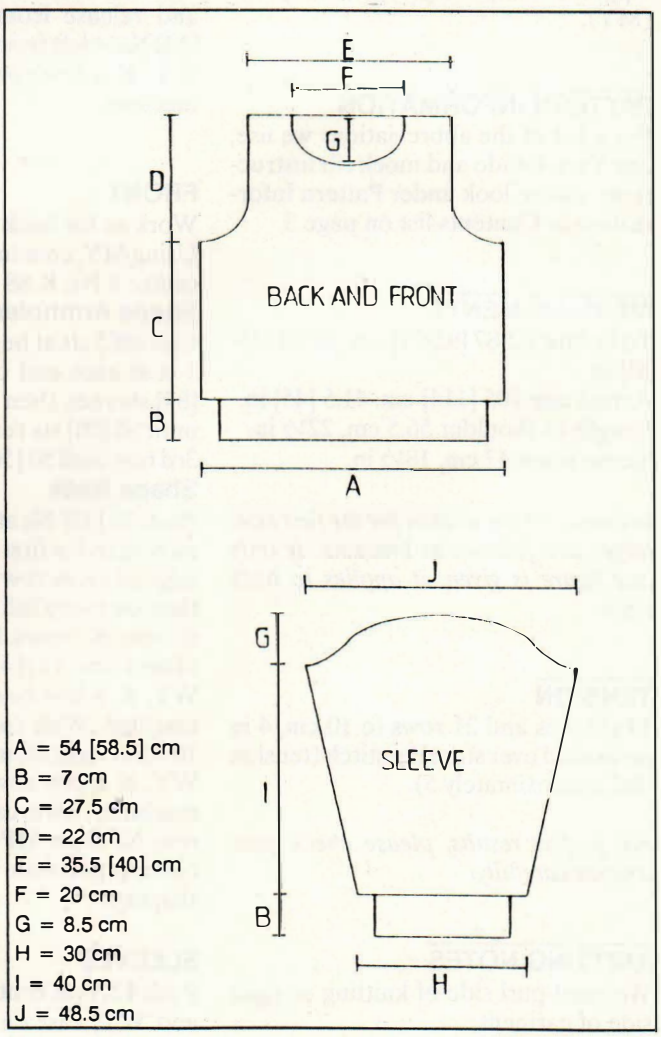

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Fine gauge favourites

FUN WITH FAIR ISLE

Christmas is just around the corner! There's not much time left to knit all those sweaters you wanted to give as presents - let alone the one you've promised to knit for yourself!

To help you with your Christmas 'knit-in', I'll share some Fair Isle designs with you this month which are very simple to knit and very effective to wear.

SAMPLE 1 AND SAMPLE 2

This design has proved very popular with my male relatives! I have knitted these samples using 3-ply yarns in toning colours. **Sample 1** uses dark green as the main yarn with a lighter contrasting colour. **Sample 2** reverses the colours.

It is always worth experimenting with this positive/negative effect using any Fair Isle punchcard. Designs can appear to change quite dramatically with a different use of colour.

Other light/dark colour combinations in grey, blue or brown are also effective.

SAMPLE 3

This is a very delicate Fair Isle design, to which I have added some glitter. The yarns are both 2-ply, so the knitting is very fine.

SAMPLE 4

This design has been extracted from **Sample 3** and is used as a decorative cuff. If there's not sufficient time to knit anything complicated for your own Christmas outfit, decorative cuffs with a gold or silver contrast on your favourite garment shape is the perfect answer. I've added some very small, gold beads to the sample - they can be either knitted in or sewn on afterwards.

INSTRUCTIONS FOR KNITTING THE CUFF

Knit your sleeve, ensuring that the cuff edges of the sleeve are held on waste yarn.

Using waste yarn and a nylon cord, cast on the stitches for the cuff. Lock punchcard on row 16●. Carriage on right.

Using tension 2 and cream cotton, knit 61 rows in stocking stitch.
Using tension 2 and gold Manila Lamé, knit two rows.

Bring alternate needles out to holding position (fully out), set front levers to **I** and knit two rows. Return front levers to **II** and knit one row.

Set side levers to ▼ to select pattern and knit one row. Unlock punchcard ▼, set cam lever for Fair Isle. Using tension 3 with cream cotton in Feeder 1 and gold Manila Lamé in Feeder 2, knit in Fair Isle pattern for 44 rows. (Beads can be knitted in on 19th and 26th rows.) Carriage on left.

Lock punchcard ●, set side levers to ● and cam lever for stocking stitch. Cast off on waste yarn.

With wrong side facing, replace stitches from first row of cuff (above nylon cord) on to needles then replace stitches from last row of cuff on to same needles. This will form a double cuff with right side facing.

Using tension 3 and cream cotton, knit one row. Remove all waste yarn and nylon cord. With wrong side facing, replace stitches from sleeve on to cuff needles, gathering evenly across the row - as required. Knit one row at tension 3 and one row at tension 8. Cast off using a latch tool.

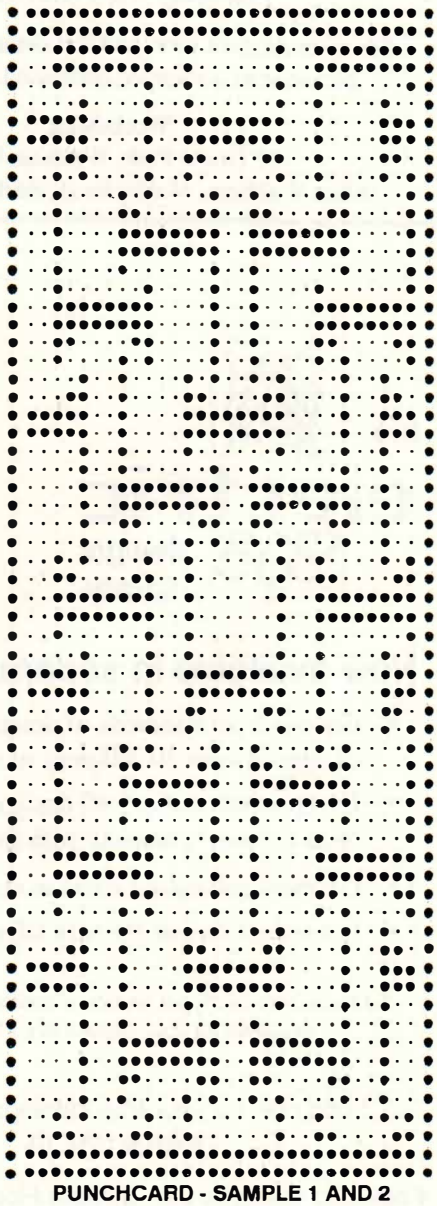
SAMPLE 5 AND SAMPLE 6

This design can be used for 'fun' ski sweaters. In **Sample 5**, I have added a fine, opal lurex to the contrast yarn to give a subtle sparkle - like the snow! Knitted with red as the main yarn, in place of navy blue, it has a real Christmas look.

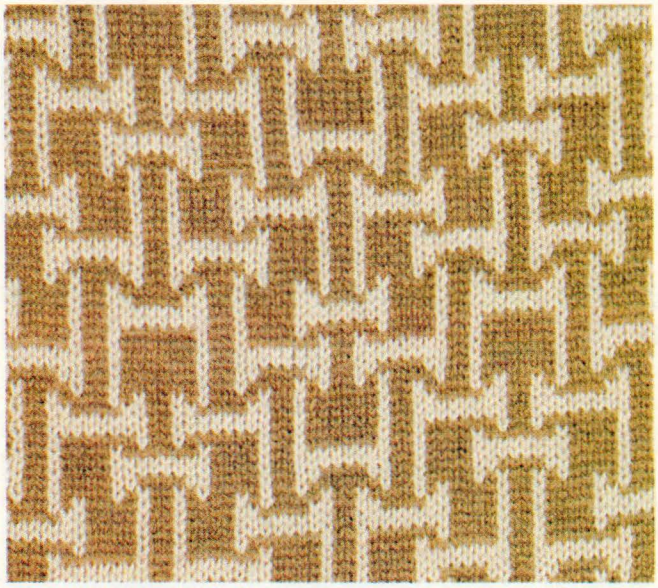
In **Sample 6**, I have reversed the colours and omitted the lurex. A small amount of Swiss darning can really brighten up a two-colour design. Here, I've added just a touch of Swiss darning in primary colours to show you the position of some suitable 'darning' areas.

Until next month, happy knitting.

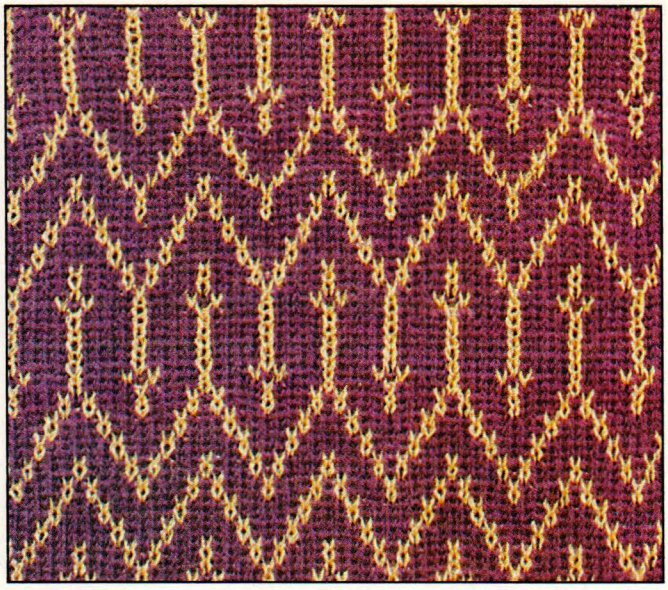
Linda Black



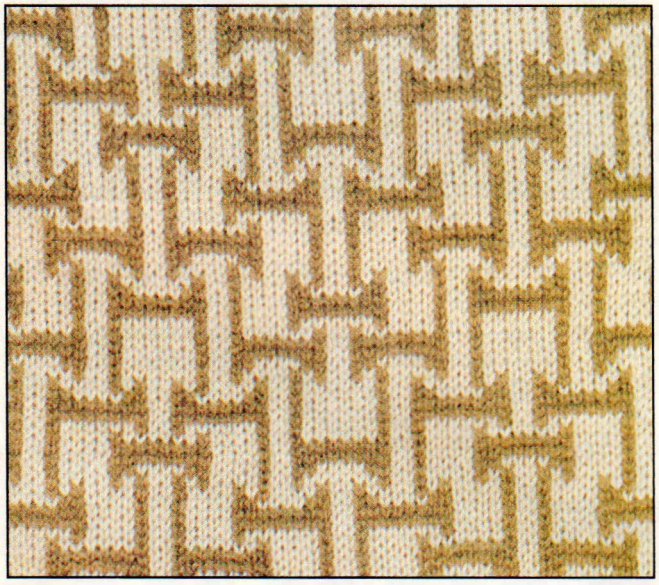
PUNCHCARD - SAMPLE 1 AND 2



SAMPLE 1



SAMPLE 3



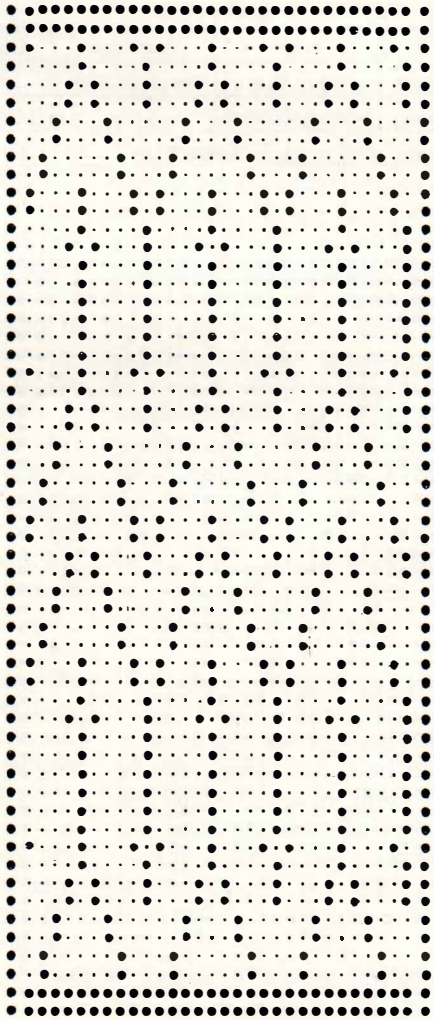
SAMPLE 2

SAMPLE 4			
Main yarn	Cream	2 ply	Cotton
Contrast yarn	Gold	Yeoman	Manila Lamé
Stocking Stitch Tension 2/Fair Isle Tension 3			

SAMPLE 1			
Main yarn	Moss	Forsell	Sirocco
Contrast yarn	Light Green	Bramwell	Duo Magic
Tension 5			

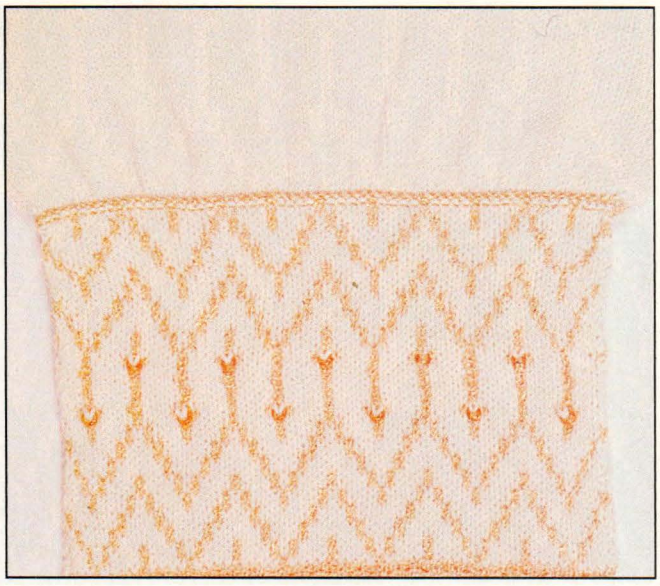
SAMPLE 2			
Main yarn	Light Green	Bramwell	Duo Magic
Contrast yarn	Moss	Forsell	Sirocco
Tension 5			

SAMPLE 3			
Main yarn	Amethyst	Yeoman	Fifty-Fifty
Contrast yarn	Gold	Yeoman	Manila Lamé
Tension 3			



PUNCHCARD 2 - SAMPLE 3 AND 4

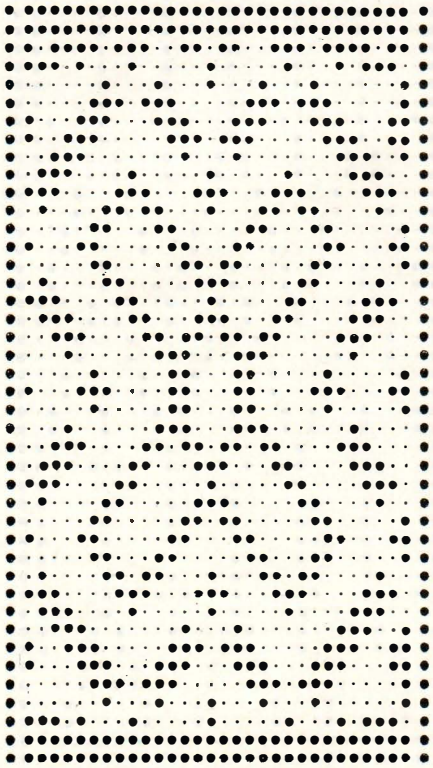
26 ▶



SAMPLE 4

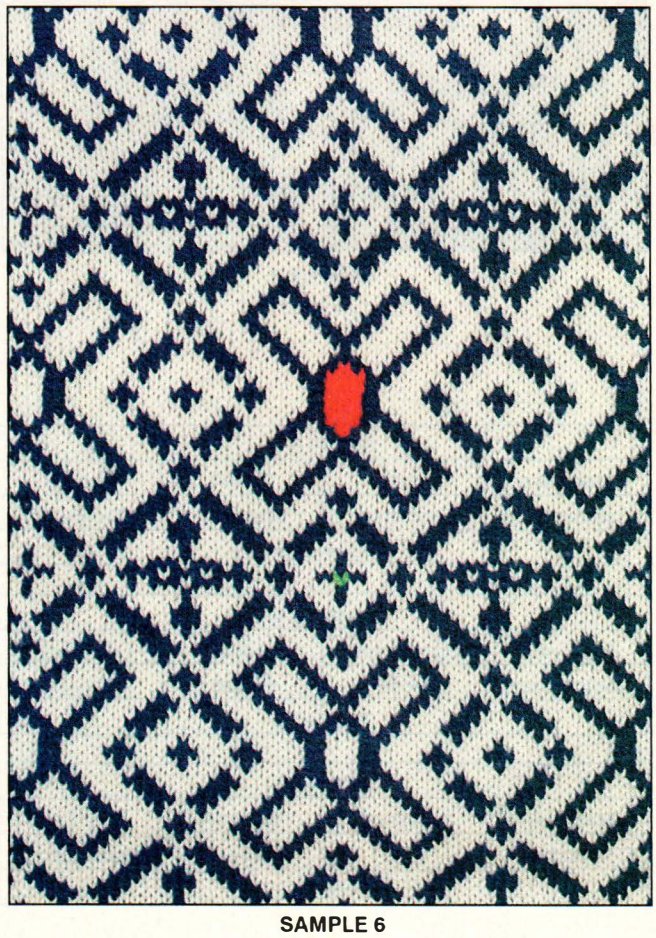
SAMPLE 5			
Main yarn	Navy Blue	Denys Brunton	Duette
Contrast yarn	Aran	Bramwell	Duo Magic
	Opal	Very Fine	Lurex
Tension 6			

SAMPLE 6			
Main yarn	Aran	Bramwell	Duo Magic
Contrast yarn	Navy Blue	Denys Brunton	Duette
Swiss darning	Primary colours	3 ply	Oddments
Tension 6			



PUNCHCARD - SAMPLE 5 AND 6

SAMPLE 5



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D5

Pattern 3

STRIPED AND SPANGLED

Add a touch of seasonal shimmer with this stylish design, knitted in Celandine's lightweight Spangles yarn by Jennifer Tellwright

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Celandine Spangles.
(Yarn Guide No. 11.)
1 x 500g cone in Black/Cerise (MC).
1 x 500g cone in Silver Grey (C).

GARMENT WEIGHT
Finished garment in third size weighs 320g.

The fibre content of this yarn is 80& Acrylic, 20% Glitter Nylon. For further information about this yarn, please write to the following address:- Celandine Limited, 44 Kirkgate, Otley, West Yorkshire LS21 3HJ.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 76 [82, 87] cm, 30 [32, 34] in.
Actual size 104 [109, 114] cm, 41 [43, 45] in.
Length to shoulder 70.5 cm, 28 in.
Sleeve seam 44 cm, 17½ in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
34 stitches and 44 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 3).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.

BACK
With carriage at right and using C, cast on 181 [189, 197] sts at centre in 1x1 rib, with extra N at left. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-3/MT-3, K 2 rows. Using MC, K 16 rows. Transfer sts for st st. Set RC at 000. Using MT and C, K 1 row. Transfer every alt st on to adjacent N. Leave empty Ns in WP. Insert card and lock on first row. K 2 rows. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B *. K 173 rows. RC shows 176.

Shape Armholes
Cast off 14 sts at beg of next 2 rows. 153 [161, 169] sts **. K 116 rows. RC shows 294. Push 47 [51, 55] Ns at left and right to HP. Using WY, K a few rows in st st over rem 59 Ns and release from machine. Push Ns at right from HP to UWP. Using WY, K a few rows and release from machine. Push Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

FRONT
Work as for back to **. K 82 rows. 34 rows less have been worked to shoulder than on back.

Shape Neck
Note patt row on card. Using nylon cord, K 92 [96, 100] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge of every alt row until 47 [51, 55] sts rem. K 6 rows. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over 31 Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES
With carriage at right and using C, cast on 93 sts at centre in 1x1 rib, with extra N at left. Work as for back from * to *. Shape sides by inc 1 st at each end of next and every foll 4th row until there are 181 sts. RC shows 176. Place marker at each end. K 18 rows. Cast off.

TO JOIN RIGHT SHOULDER
Push 47 [51, 55] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. with P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT and MC, K 1 row. Cast off.

NECKBAND
With carriage at right and using MC, cast on 136 sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-3/MT-3, K 12 rows. Using C, K 6 rows. Using MC, K 12 rows. Transfer sts for st st. Using MT, K 1 row. With P side facing, pick up 59 sts across back neck, 23 sts down right side of front neck, 31 sts across front neck and 23 sts up left side of front neck and place on to Ns. K 1 row. Cast off.

TO JOIN LEFT SHOULDER
Work as for right shoulder but read left for right.

MAKING UP
Set in sleeves, sewing rows above markers to cast off sts at armholes. Join side, sleeve and neckband seam. Fold neckband in half to inside and catch down loosely.

31▶

Skirt, FREEMANS. Earrings, ANDEA.

Clubs, classes & courses

COURSES

CHEADLE HULME

Linda Thompson will be teaching machine knitting on Mondays at Cheadle Hulme Adult Education Centre and on Tuesdays at Werneth Adult Education Centre. Both classes run from 7.00pm to 9.00pm. Further details can be obtained by telephoning Linda on 485- 4552.

DORCHESTER

City & Guilds Part II will be starting in January with Loraine McClean tutoring the Design and Research modules and Angela Gordon tutoring the Machine Knitting module. The course is to be run as an open learning course with a monthly tutorial held at the Dorchester Adult Education Centre. Readers who already hold the Part I certificate, or who have other appropriate qualifications can find out more about the course from Loraine on 0300-348 368 or Angela on 0929-551073.

An exhibition of work by current students who are completing their Stage I this December will be held at Dorchester Arts Centre on Saturday 10 December from 2.30pm until 8.00pm and anyone interested is welcome to come along and have a browse and/or chat about Part II.

BARNSTAPLE

Judy Dodson will be teaching Machine Knitting for Beginners and a Design course at Pilton Community College and at Ilfracombe Adult Education Centre. Full details of these and private design courses can be obtained by sending a stamped addressed envelope to Judy Dodson, Lower Slattenslade, Woody Bay, Near Barnstaple, North Devon EX31 4QU.

ROCHESTER

Wendy Damon is running a course on DesignaKnit which will take place in the new computer suite at the Medway Adult Education Centre, Eastgate, Rochester on 15, 22 and 29 October. Places can be booked by telephoning the college on 0634-845359.

The following information arrived too late for inclusion in an earlier issue, but quite often one or two places are still free a few weeks after the course has started so please do contact the tutor if you are interested in joining one.

CHESHIRE

West Cheshire College are again offering courses:

Textures and Techniques at Upton Adult Education Centre on Tuesdays from 7.00pm to 9.00pm.

Make the most of your knitting machine at Queens Park Adult Education Centre on Mondays from 1.45pm to 3.45pm.

Deeside College are running a course on advanced techniques and fabrics which will be followed in January by an N.W.A.C.C. accredited module. Classes will be held on Thursday mornings.

For details of any of the above courses please telephone Sue Champion on 0244-880695.

CRAWLEY AND EAST GRINSTEAD

Marion Hall will be running various machine knitting courses at both East Grinstead Adult Education Centre and Thomas Bennett Community College. Some of the courses are for late 1994 and early 1995, so if you are interested please contact Marion on 0342-326212 to find out what is currently available.

DARLINGTON

Machine Knitting and ribber courses at all levels of NCFE and C & G are being held at the Darlington College of Technology. You may still be able to get a place if you call 0325-467651.

PORTSMOUTH

June Ham is running a variety of courses at Cosham Park House, Cosham Park Avenue, Cosham, Portsmouth. Please telephone June on 0705-385211 for further details.

LONDON AND BARKING

Sylvia Jay is running classes at Wanstead House, The Green, London and at Parkside Community Centre, Goodmayes Lane, Barking, Essex. Telephone Sylvia on 081-534 4644.

GWENT COLLEGE OF HIGHER EDUCATION

Readers wishing to take their fashion and textile education to greater levels, by following a full time course, should take a look at what is on offer at the Gwent College of Higher Education. This is the only college where the BA(Hons) Design course can be followed and it allows students to combine their studies in Fashion and Textile Design with a number of other fields of design. For example, Fashion can be combined with Photography, Writing and Publishing or Graphic Design.

The 1995 Prospectus certainly looks impressive and sounds absolutely fascinating. Contact the Gwent College of Higher Education on 0633-432020.

CLUBS

CRANBROOK

Lynn's Lodge Passap/Pfaff Machine Knitting Club meet on the second Friday of every month from 10.00am to noon. They are a small club who are very keen to welcome other Passap/Pfaff knitters. The club has many talented members as well as total beginners and they all derive much pleasure from learning new techniques at meetings. Anyone interested in joining the club should contact the Secretary, Susan Keddie on 0892-890895.

PETERBOROUGH

Purl Drops Machine Knitting Club meet at the College of Adult Education, Brook Street, Peterborough on alternate Tuesdays from 7.00pm to 9.00pm. For details please contact the Secretary, Mrs Carole Charlton on 0778-348191. They regularly have speakers and demonstrations and would like to invite new members to join them.

LOWESTOFT

Kirkley Knits meet every Tuesday from 7.00pm to 9.00pm at Kirkley Middle School, Southwell Road, Lowestoft.

Saturday workshops are also run by the club and a beginners and intermediate knitters course started in September.

For further details of the club and future courses please contact Elsa McFee on 0502-574919, after 6.00pm please.

CHESTER

Hooked on Machine Knitting Club meet on 2nd and 4th Wednesday of each month at Stanley Palace, Watergate Street, Chester from 7.30pm. Guests and new members are always welcome.

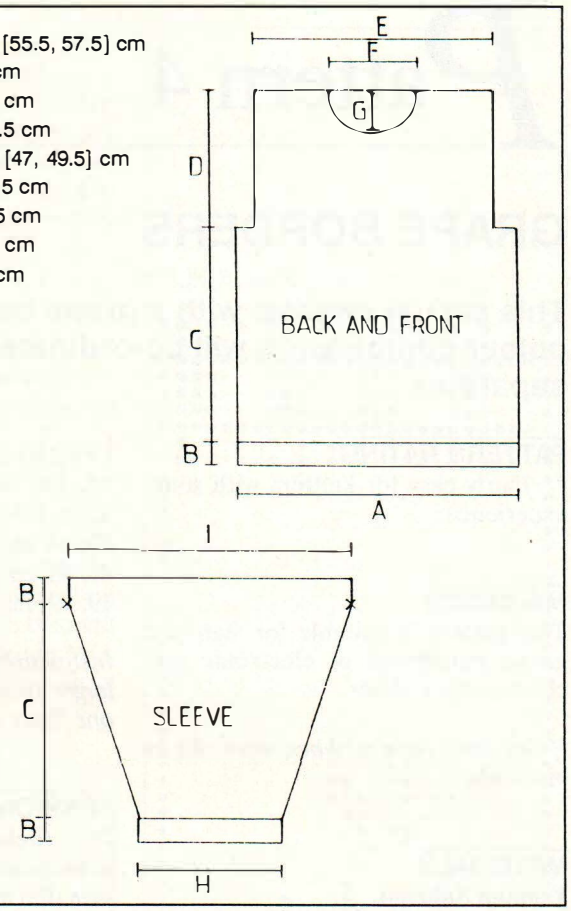
NOTTINGHAM

Mapperley Knit and Natter Club in Nottingham meet on the first Monday of each month at the Haywood Community Centre, Haywood Road, Mapperley from 7.30pm to 9.30pm. They will be very happy to welcome new members and anyone interested can contact Kath Bancroft on 0602-626324.

FORDINGBRIDGE

Fordingbridge Machine Knitting Club is a fairly new club which has only been running since October 1993. Their friendly and informal meetings happen on the first and third Friday of every month at 10 am in the Avonway Community Centre. Telephone Diana Collins on 0425-652447 for further information.

A = 53 [55.5, 57.5] cm
B = 4 cm
C = 40 cm
D = 26.5 cm
E = 45 [47, 49.5] cm
F = 17.5 cm
G = 7.5 cm
H = 27 cm
I = 53 cm



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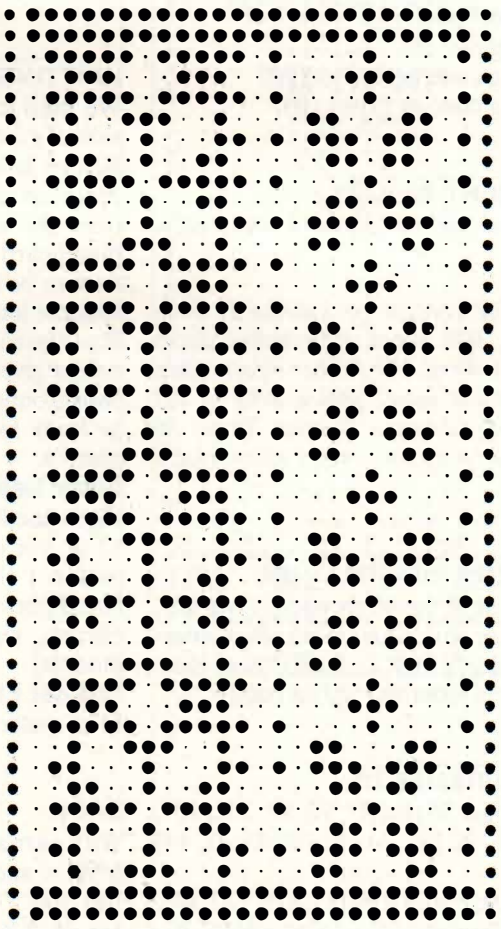
PUNCHCARD CHART



Pattern 4

GRAPE BORDERS

This casual sweater with a grape border design is terrific for winter wear. Its lovely colour combination will co-ordinate beautifully with a wide range of plain outfits or separates

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Yeoman Sabrina.
(Yarn guide No. 11.)
1 [1, 1, 2, 2, 2, 2, 2] x 400g cones in Stone (MC).
Yeoman Sport.
(Yarn guide No. 11.)
1 x 500g cone in Garnet (A).
1 x 500g cone in Privet (B).

GARMENT WEIGHT
Finished garment in third size weighs 345g.

The fibre content of Sabrina is 60% Acrylic, 30% Wool, 10% Nylon; Sport is 100% Wool. For further information about these yarns, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicester LE8 0UD.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 76 [82, 87, 92, 97, 102, 107, 112] cm, 30 [32, 34, 36, 38, 40, 42, 44] in.
Actual size 102 [108, 113, 119, 123, 128, 134, 138] cm, 40½ [42½, 44½, 47, 48½, 50½, 53, 54½] in.
Length to shoulder 63 [63, 64, 64, 65, 65, 66, 66] cm, 24½ [24½, 25, 25, 25½, 25½, 26, 26] in.
Sleeve seam 42 [43, 44.5, 45.5, 47, 48, 48, 48] cm, 16½ [17, 17½, 18, 18½, 19, 19, 19] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
26.5 stitches and 31.5 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Silver Reed Electronic Machines
Place needle 1 cam between Ns 12 and 13 at left or right of centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK840 machines, right light on for earlier models).

Brother Electronic Machines
Place pattern over centre 0.

BACK
With carriage at right and using MT-5/MT-5 and MC, cast on 138 [146, 152, 160, 166, 172, 180, 186] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 26 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Using MT, K 10 rows. Release card and cont in Fair Isle patt. K 2 rows MC/B, 1 row B only in feeder 2/B, 3 rows MC/A, 1 row B only in feeder 2/B, 2 rows MC/B *. 6 rows MC only (st st), 21 rows MC/A, 9 rows MC/B. Remove card. Cont in st st and MC. K 39 rows. RC 94. Place marker at each end **. K 82 [82, 86, 86, 88, 88, 92, 92] rows. RC shows 176 [176, 180, 180, 182, 182, 186, 186]. Place marker between sts 21 and 22 at left and right of centre 0. Cast off.

FRONT
Work as for back to **. K 44 [44, 48, 48, 50, 50, 54, 54] rows. 38 rows less have been worked to shoulder than on back.

Shape Neck
Using a length of MC, cast off centre 20 sts. Push 59 [63, 66, 70, 73, 76, 80, 83] Ns at left to HP and cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of next and every foll alt row until 48 [52, 55, 59, 62, 65, 69, 72] sts rem. K 16 rows. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVES
With carriage at right and using MT-5/MT-5 and MC, cast on 70 [70, 76, 76, 81, 81, 86, 86] sts in 1x1 rib. Work as for back from * to *. Remove card. Cont in st st and MC. K 21 [34, 28, 31, 36, 39, 39, 39] rows. Shape sides by inc 1 st at each end of next and every foll alt row until there are 138 [138, 144, 144, 149, 149, 154, 154] sts. K 3 rows. RC shows 110 [113, 117, 120, 125, 128, 128, 128]. Cast off.

NECKBAND
With carriage at right and using MT-5/MT-5 and MC, cast on 158 sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting.

Set RC at 000. K 36 rows. Transfer sts for st st. Insert card and lock on first row. Using MT, K 2 rows. Release card and cont in Fair Isle. K 2 rows MC/B, 1 row B only in feeder 2/B, 3 rows MC/A, 1 row B only in feeder 2/B and 2 rows MC/B. Remove card. Cont in st st and MC. K 1 row. Using WY, K a few rows and release from machine.

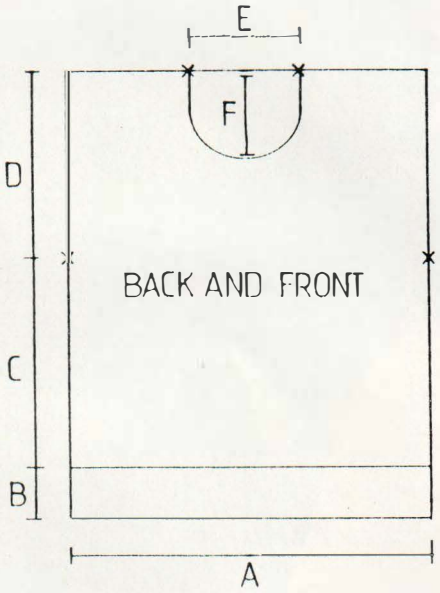
PRESSING

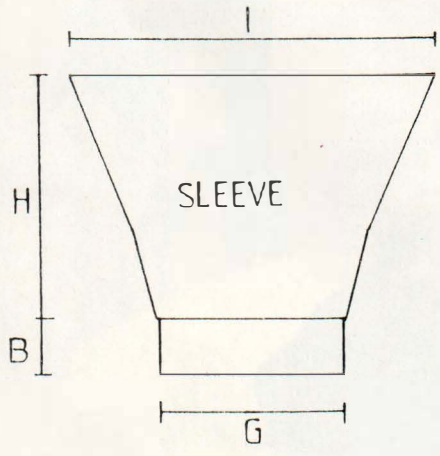
With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

MAKING UP

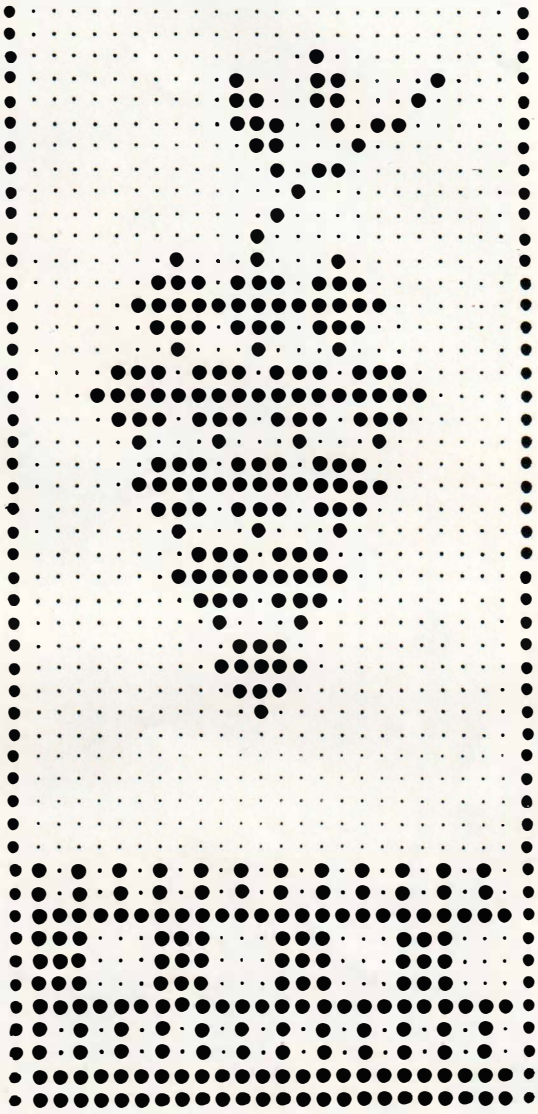
Join shoulder seams. Set in sleeves between markers. Join side, sleeve and neckband seams. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Fold in half to inside and catch down.

A = 52 [55, 57, 60, 62.5, 64.5, 67.5, 70] cm
B = 7.5 cm
C = 29.5 cm
D = 26 [26, 27, 27, 28, 28, 29, 29] cm
E = 16 cm
F = 12 cm
G = 26 [26, 28.5, 28.5, 30.5, 30.5, 32, 32] cm
H = 34.5 [35.5, 37, 38, 39.5, 40.5, 40.5, 40.5] cm
I = 52 [52, 54, 54, 56, 56, 58, 58] cm





PUNCHCARD CHART



Tarzan ski pants, KAYS. Trousers, GREAT UNIVERSAL. ▶

Pattern 5

MAN'S GRAPE BORDER DESIGN

Darker shades of Yeoman Sport and Sabrina transform the grape design into the perfect winter warmer for men

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Yeoman Sabrina.
(Yarn Guide No. 11.)
2 x 400g cones in Black (MC).
1 x 400g cone in Wine (A).
Yeoman Sport.
(Yarn Guide No. 11.)
1 x 500g cone in Basil (B).

GARMENT WEIGHT
Finished garment in fourth size weighs 420g.

The fibre content of Sabrina is 60% Acrylic, 30% Wool, 10% Nylon; Sport is 100% Wool. For further information about these yarns, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicester LE8 0UD.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit chest 92 [97, 102, 107, 112, 117, 122] cm, 36 [38, 40, 42, 44, 46, 48] in.
Actual size 108 [113, 119, 123, 128, 134, 138] cm, 42½ [44½, 47, 48½, 50½, 53, 54½] in.
Length to shoulder 68.5 [68.5, 69.5, 69.5, 70.5, 70.5, 70.5] cm, 27 [27, 27½, 27½, 28, 28, 28] in.
Sleeve seam 47.5 [48.5, 49.5, 50.5, 51.5, 52.5, 53.5] cm, 18½ [19, 19½, 20, 20½, 21, 21½] in.

◀ Man's chinos, MARKS & SPENCER.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
26.5 stitches and 31.5 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.
Decreasings on insert are given for main bed, sts on ribber should be decreased as required.

Silver Reed Electronic Machines
Place needle 1 cam between Ns 12 and 13 at left or right of centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK840 machines, right light on for earlier models).

Brother Electronic Machines
Place pattern over centre 0.

BACK
With carriage at right and using MT-5/MT-5 and MC, cast on 146 [152, 160, 166, 172, 180, 186] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 26 rows. Transfer sts for st st *. Insert card and lock on first row. Set RC at 000. Using MT, K 16 rows. Release card and cont in Fair Isle patt. K 2 rows MC/B, 1 row B only in feeder 2/B, 3 rows MC/A, 1 row B only in feeder 2/B, 2 rows MC/B, 16 rows MC only (st st), 21 rows MC/A, 9 rows MC/B, 16 rows MC only (st st), 2 rows MC/B, 1 row B only in feeder 2/B, 3 rows MC/A, 1 row B only in feeder 2/B and 2 rows MC/B. Remove card. Cont in st st and MC. K 8 rows. RC shows 104. Place marker at each end **. K 88 [88, 92, 92, 96, 96, 96] rows. RC shows 192 [192, 196, 196, 200, 200, 200]. Place marker between sts 24 and 25 at left and right of centre 0. Cast off.

FRONT
Work as for back to **. K 6 [6, 10, 10, 14, 14, 14] rows. 82 rows less have been worked to shoulder than on back.

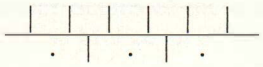
Shape Neck
Using nylon cord, K 73 [76, 80, 83, 86, 90, 93] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge on every 3rd row until 49 [52, 56, 59, 62, 66, 69] sts rem. K 10 rows. Cast off. With carriage at left, unravel nylon cord over rem Ns, bringing Ns back to WP. Finish to correspond with first side, reversing shapings.

SLEEVES
Fair Isle Pattern: K 2 rows MC/B, 1 row B only in feeder 2/B, 3 rows MC/A, 1 row B only in feeder 2/B and 2 rows MC/B.

With carriage at right and using MT-5/MT-5 and MC, cast on 79 [79, 84, 84, 90, 90, 90] sts in 1x1 rib. Work as for back from * to *. Insert card and lock on first row. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every 3rd row until there are 89 [89, 94, 94, 100, 100, 100] sts. K 1 row. RC shows 16. Release card and cont in Fair Isle patt. Cont to inc on every 3rd row from previous inc until there are 95 [95, 100, 100, 106, 106, 106] sts. K 1 row. RC shows 25. Remove card. Cont in st st and MC. Cont to inc on every 3rd row from previous inc until there are 149 [149, 154, 154, 160, 160, 160] sts. K 21 [25, 28, 31, 34, 37, 41] rows. RC shows 126 [130, 133, 136, 139, 142, 146]. Cast off.

NECKBAND AND INSERT

NEEDLE DIAGRAM



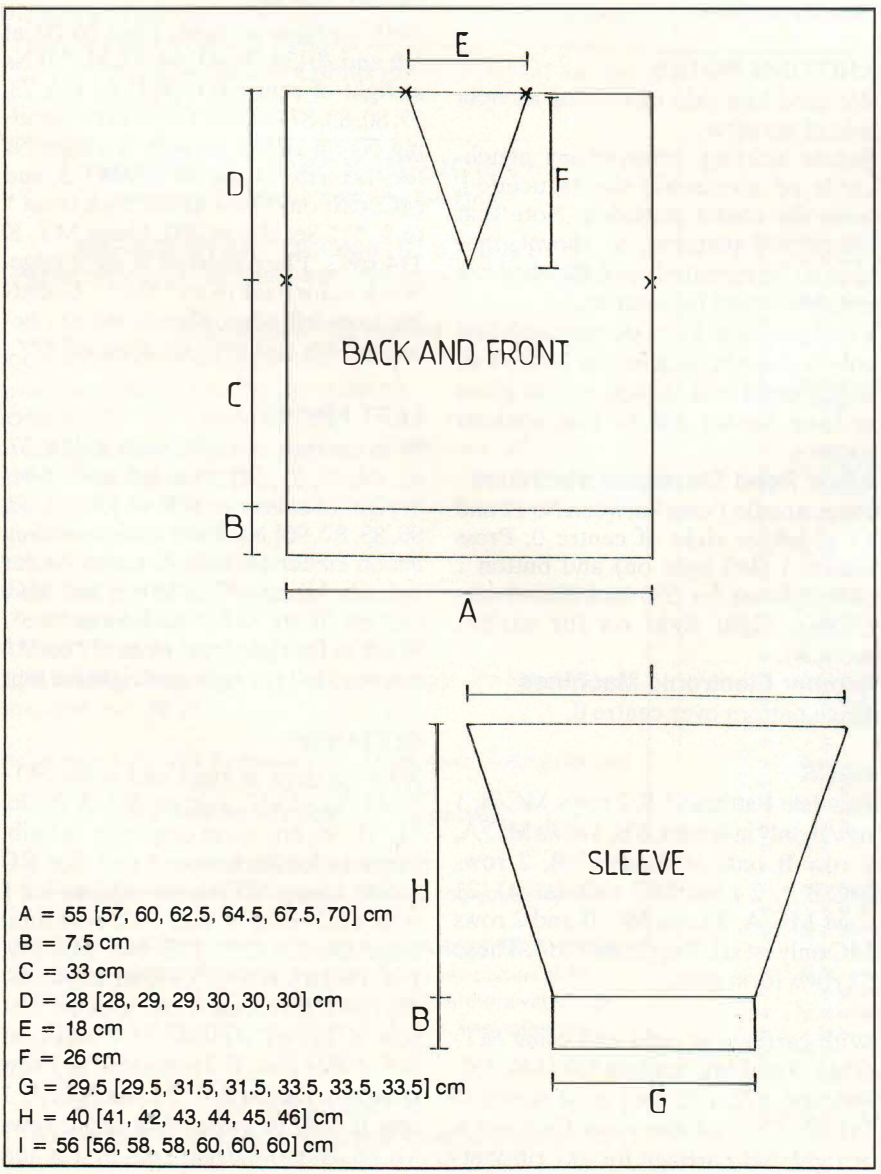
Push 100 Ns to WP. Using MT and WY, cast on and K a few rows, ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 12 rows. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Unravel WY when work is completed. K 1 row. Push 76 Ns at left to HP. Using WY, K a few rows over rem 24 Ns and release from machine. Push 24 Ns at left from HP to UWP. Using WY, K a few rows and release from machine. With carriage at right, push rem 52 Ns from HP to UWP. With ribber in position, set to half pitch. Arrange ribber Ns as on needle diagram. Rack 1 notch to left. Using MT-4/MT-4, K 1 row. Hang comb carefully. K 2 tubular rows. Rack 1 notch to right. Set to knit on both beds. Set RC at 000. K 20 rows. Dec 1 st (on main bed) at each end of next and every foll 3rd row until 2 sts rem on main bed. K 2 rows. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

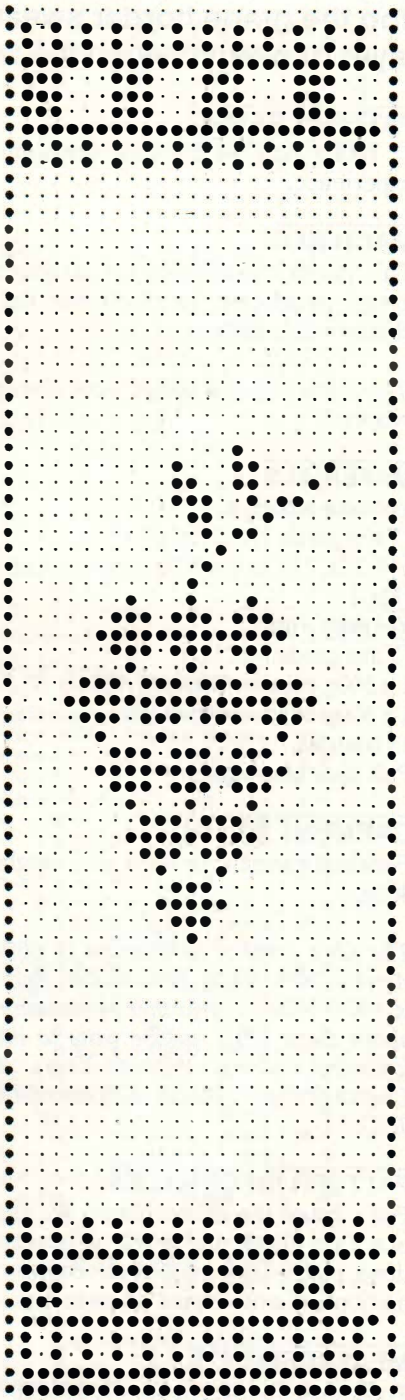
MAKING UP

Join shoulder seams. Sew insert into front neck. Join seam in neckband. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Set in sleeves between markers. Join side and sleeve seams.



A = 55 [57, 60, 62.5, 64.5, 67.5, 70] cm
B = 7.5 cm
C = 33 cm
D = 28 [28, 29, 29, 30, 30, 30] cm
E = 18 cm
F = 26 cm
G = 29.5 [29.5, 31.5, 31.5, 33.5, 33.5, 33.5] cm
H = 40 [41, 42, 43, 44, 45, 46] cm
I = 56 [56, 58, 58, 60, 60, 60] cm

PUNCHCARD CHART



Pattern 6

LAYERED COMFORT

Top the grape border sweater with this matching cardigan by Gail Miller for an extra layer of warmth when the winter chill sets in

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Yeoman Sabrina.
(Yarn guide No. 11.)
1 [1, 2, 2, 2, 2, 2, 2] x 400g cones in Stone (MC).
Yeoman Sport.
(Yarn guide No. 11.)
1 x 500g cone in Garnet (A).
1 x 500g cone in Privet (B).
13 buttons.
Pair shoulder pads.

GARMENT WEIGHT
Finished garment in third size weighs 405g.

The fibre content of Sabrina is 60% Acrylic, 30% Wool, 10% Nylon; Sport is 100% Wool. For further information about these yarns, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicester LE8 0UD.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 76 [82, 87, 92, 97, 102, 107, 112] cm, 30 [32, 34, 36, 38, 40, 42, 44] in.
Actual size 102 [108, 113, 119, 123, 128, 134, 138] cm, 40½ [42½, 44½, 47, 48½, 50½, 53, 54½] in.
Length to shoulder 69.5 [69.5, 70.5, 70.5, 71.5, 71.5, 72.5, 72.5] cm, 27½ [27½, 28, 28, 28½, 28½, 29, 29] in.
Sleeve seam 42 [43, 44.5, 45.5, 47, 48, 48, 48] cm, 16½ [17, 17½, 18, 18½, 19, 19, 19] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
26.5 stitches and 31.5 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.
Silver Reed Electronic Machines
Place needle 1 cam between Ns 12 and 13 at left or right of centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK840 machines, right light on for earlier models).
Brother Electronic Machines
Place pattern over centre 0.

BACK
Fair Isle Pattern: * K 2 rows MC/B, 1 row B only in feeder 2/B, 3 rows MC/A, 1 row B only in feeder 2/B, 2 rows MC/B *, 2 rows MC only (st st), 21 rows MC/A, 9 rows MC/B and 2 rows MC only (st st). Rep from * to *. These 52 rows form patt.

With carriage at right and using MT-5/MT-5 and MC, cast on 138 [146, 152, 160, 166, 172, 180, 186] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 26 rows. Transfer sts for st st *. Set RC at 000. Using MT, K 114 rows. Place marker at each end. ** K 4 rows. Insert card and lock on first row. K 2 rows. Release card and cont in Fair Isle patt. K 52 rows. Remove card. Cont in st st and MC. K 24 [24, 28, 28, 30, 30, 34, 34] rows. RC shows 196 [196, 200, 200, 202, 202, 206, 206] **. Place marker between sts 21 and 22 at left and right of centre 0. Cast off.

RIGHT FRONT
With carriage at right, push 36 Ns at left and 30 [34, 37, 41, 44, 47, 51, 54] Ns at right of centre 0 to WP. 66 [70, 73, 77, 80, 83, 87, 90] Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1x1 rib. Using MT-5/MT-5 and MC, cast on. Work as for back from * to *. *** Set RC at 000. Using MT, K 114 rows. Place marker at right edge. Work as for back from ** to **. Counting from left edge, place a marker between 18th and 19th sts. Cast off ***.

LEFT FRONT
With carriage at right, push 30 [34, 37, 41, 44, 47, 51, 54] Ns at left and 36 Ns at right of centre to WP. 66 [70, 73, 77, 80, 83, 87, 90] Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1x1 rib. Using MT-5/MT-5 and MC, cast on. Work as for back from * to *. Work as for right front from *** to *** but read left for right and right for left.

SLEEVES
With carriage at right and using MT-5/MT-5 and MC, cast on 70 [70, 76, 76, 81, 81, 86, 86] sts at centre in 1x1 rib. Work as for back from * to *. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every alt row until there are 138 [138, 144, 144, 149, 149, 154, 154] sts. K 30 [33, 37, 40, 45, 48, 48, 48] rows. Insert card and lock on first row. K 2 rows. Release card and cont in Fair Isle patt. K 2 rows MC/B, 1 row B only in feeder 2/B, 3 rows MC/A, 1 row B only in feeder 2/B and 2 rows MC/B. Remove card. Cont in st st and

MC. K 1 row. RC shows 110 [113, 117, 120, 125, 128, 128, 128]. Cast off.

BUTTONHOLE BAND

With carriage at right and using MT-5/MT-5 and MC, cast on 160 [160, 164, 164, 168, 168, 172, 172] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 6 rows. Make 12 evenly spaced double eyelet buttonholes. K 7 rows. Transfer sts to main bed. Cast off.

BUTTON BAND

Work as for buttonhole band, omitting buttonholes.

NECKBAND

With carriage at right and using MT-5/MT-5 and MC, cast on 130 sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 6 rows. Counting from left edge, make a double eyelet buttonhole over Ns 7 and 8. K 12 rows. Make a buttonhole over same Ns as before. K 7 rows. Transfer sts to main bed. Cast off.

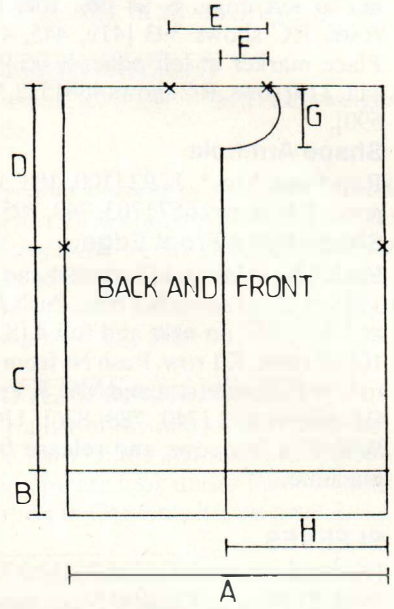
PRESSING

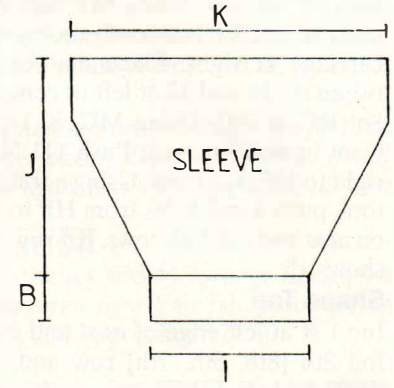
With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

MAKING UP

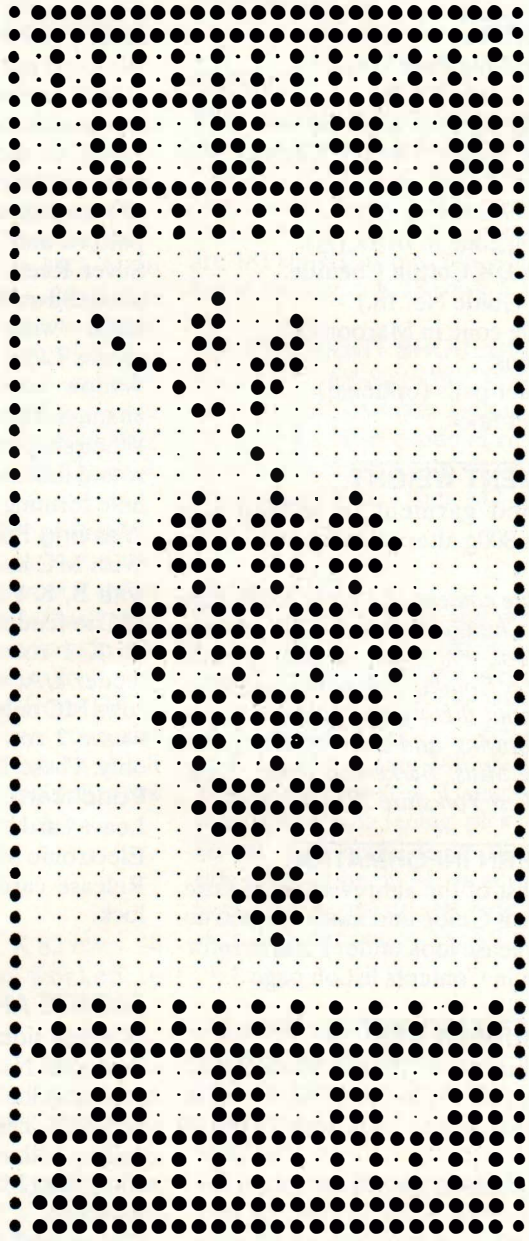
Join shoulder seams. Mark neckline using measurement diagram as a guide. Backstitch or zig-zag around neck edge. Cut out neckline. Set in sleeves between markers. Join side and sleeve seams. Sew on buttonhole and button bands. Sew on neckband, fold in half and catch down on inside, encasing cut edge. Neaten open ends. Sew on buttons. Sew in shoulder pads.

A = 52 [55, 57, 60, 62.5, 64.5, 67.5, 70] cm
B = 7.5 cm
C = 36 cm
D = 26 [26, 27, 27, 28, 28, 29, 29] cm
E = 16 cm
F = 6.5 cm
G = 10 cm
H = 24.5 [26, 27.5, 29, 30, 31, 32.5, 33.5] cm
I = 26 [26, 28.5, 28.5, 30.5, 30.5, 32, 32] cm
J = 34.5 [35.5, 37, 38, 39.5, 40.5, 40.5, 40.5] cm
K = 52 [52, 54, 54, 56, 56, 58, 58] cm





PUNCHCARD CHART



Pattern 7

FINISHING TOUCH - WOVEN TOUCHES

Put the Finishing Touch article to good use by knitting this lovely warm jacket, designed by Angela Gordon in Texere Yarns

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for Silver Reed standard gauge punchcard or electronic machines.

MATERIALS
Texere 3-ply Pure Wool.
(Yarn Guide No. 9.)
2 x 500g cones in Light Brown (MC).
Texere Super Luxury Chunky Mohair.
(Yarn Guide No. 19.)
1 x 500g cone in Brick (A).
Texere DK Cotton Chenille.
(Yarn Guide No. 18.)
1 x 450g cone in Maroon (B).
4 buttons.
Shoulder pads (optional)
Crochet hook.

GARMENT WEIGHT
Finished garment in second size weighs 800g after washing.

The fibre content of 3-ply is 100% Pure Wool; Chunky Mohair is 82% Mohair, 9% Wool, 9% Nylon; Cotton Chenille is 100% Cotton. For further information about these yarns, please write to the following address:- Texere Yarns, College Mills, Barkerend Road, Bradford, West Yorkshire BD3 9AQ.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82-87 [92-97, 102-107, 112-117] cm, 32-34 [36-38, 40-42, 44-46] in.
Knitted length to back neck 73 cm, 29 in.
Sleeve seam 45 cm, 18 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
27 stitches and 52 rows to 10 cm, 4 in measured over woven pattern after washing and light steaming (tension dial approximately 7).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used purl side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided.
We used Silver Reed card No.1 for this pattern and reproduce it courtesy of Silver Reed. For further information about Silver Reed cards and machines, please write to Silver Knitting Machines Ltd., Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.
When shaping in HP, always take yarn round first inside N in HP to prevent a hole forming.

Weaving Pattern
With MC in feeder 1/A, weave 1 row with B, K 1 row with MC only. With MC in feeder 1/A, weave 2 rows with A. K 1 row MC only. With MC in feeder 1/A, weave 1 row with B. K 2 rows MC only. With MC in feeder 1/A, weave 2 rows with A. K 2 rows MC only. These 12 rows form pattern.

Punchcard Machines
Leave card locked throughout.
Electronic Machines
Release card to memorise row, then lock.

FRONTS AND BACK
(Knitted sideways in one piece.)
Push 198 Ns at centre to WP. Insert card and lock on first row. Using MT and WY, cast on and K a few rows, ending with carriage at left. Set RC at 000. Using MC, K 1 row. Cont in weaving patt.

Shape Left Front Edge
Push 63 Ns at left to HP, K 2 rows. Using a transfer tool, push 3 inside Ns from HP to WP on next and foll 4 [8, 12, 16] alt rows, K 1 row. Using a transfer tool, push 4 inside Ns from HP to WP on next and foll 11 [8, 5, 2] alt rows. All Ns are in WP. K 92 [100, 108, 116] rows. RC shows 128 [138, 148, 158].

Shape Armhole
* Cast off 3 sts at beg of next and foll 1 [2, 3, 5] alt rows, K 1 row. Cast off 4 sts at beg of next and foll 9 [9, 9, 8] alt rows. 152 [149, 146, 144] sts. K 31 rows. Cast on 4 sts at beg of next and foll 9 [9, 9, 8] alt rows, K 1 row. Cast on 3 sts at beg of next and foll 1 [2, 3, 5] alt rows. 198 sts *. K 94 [102, 110, 118] rows. RC shows 299 [321, 343, 365]. Place marker at left edge. K 94 [98, 102, 106] rows. RC shows 393 [419, 445, 471]. Place marker at left edge. K 95 [103, 111, 119] rows. RC shows 488 [522, 556, 590].

Shape Armhole
Rep from * to *. K 92 [100, 108, 116] rows. RC shows 657 [703, 749, 795].

Shape Right Front Edge
Push 4 Ns at left to HP on next and foll 11 [8, 5, 2] alt rows, K 1 row. Push 3 Ns at left to HP on next and foll 4 [8, 12, 16] alt rows, K 1 row. Push Ns from HP to UWP. Cont in st st and MC, K 1 row. RC shows 692 [740, 788, 836]. Using WY, K a few rows and release from machine.

SLEEVES
(Knitted sideways)
Push 27 Ns at left and 90 Ns at right of centre 0 to WP. 117 Ns. Insert card and lock on fist row. Using MT and WY, cast on and K a few rows, ending with carriage at right. Place marker between sts 21 and 22 at left of centre 0. Set RC at 000. Using MC, K 1 row. Cont in weaving patt. Push 111 Ns at right to HP, K 2 rows. Using a transfer tool, push 4 inside Ns from HP to WP on next and foll 5 alt rows, K 1 row. RC shows 15.

Shape Top
Inc 1 st at left edge of next and every foll 8th [8th, 8th, 7th] row and, AT THE SAME TIME, using a transfer tool, push 4 inside Ns from HP to WP

42 ▶

Shirt and jeans, GREAT UNIVERSAL. Earrings, THE BEAD SHOP.

◀ 40

on next and foll 5 alt rows, K 1 row. Using a transfer tool, push 3 inside Ns from HP to WP on next and foll 20 alt rows. All Ns in WP. Cont to inc at left edge on every 8th [8th, 8th, 7th] row from previous inc until there are 128 [129, 130, 132] sts. K 9 [7, 5, 9] rows. RC shows 105 [111, 117, 123].

Shape Saddle Yoke

Cast on 26 [28, 30, 32] sts at beg of next row, K 61 rows. Cast off 26 [28, 30, 32] sts at beg of next row. K 9 [7, 5, 9] rows. Dec 1 st at left edge of next and every foll 8th [8th, 8th, 7th] row until 124 [124, 124, 125] sts rem. K 3 rows. Cont to dec at left edge on every 8th [8th, 8th, 7th] row from previous dec and, AT THE SAME TIME, push 3 Ns at right to HP on next and foll 20 alt rows, K 1 row. Push 4 Ns at right to HP on next and foll 5 alt rows. 117 sts. K 1 row. Push 4 Ns at right to HP on next and foll 5 alt rows, K 1 row. Push Ns from HP to UWP. Cont in st st and MC, K 1 row. RC shows 272 [284, 296, 308]. Place marker between sts 21 and 22 at left of centre 0. Using WY, K a few rows and release from machine.

CUFFS

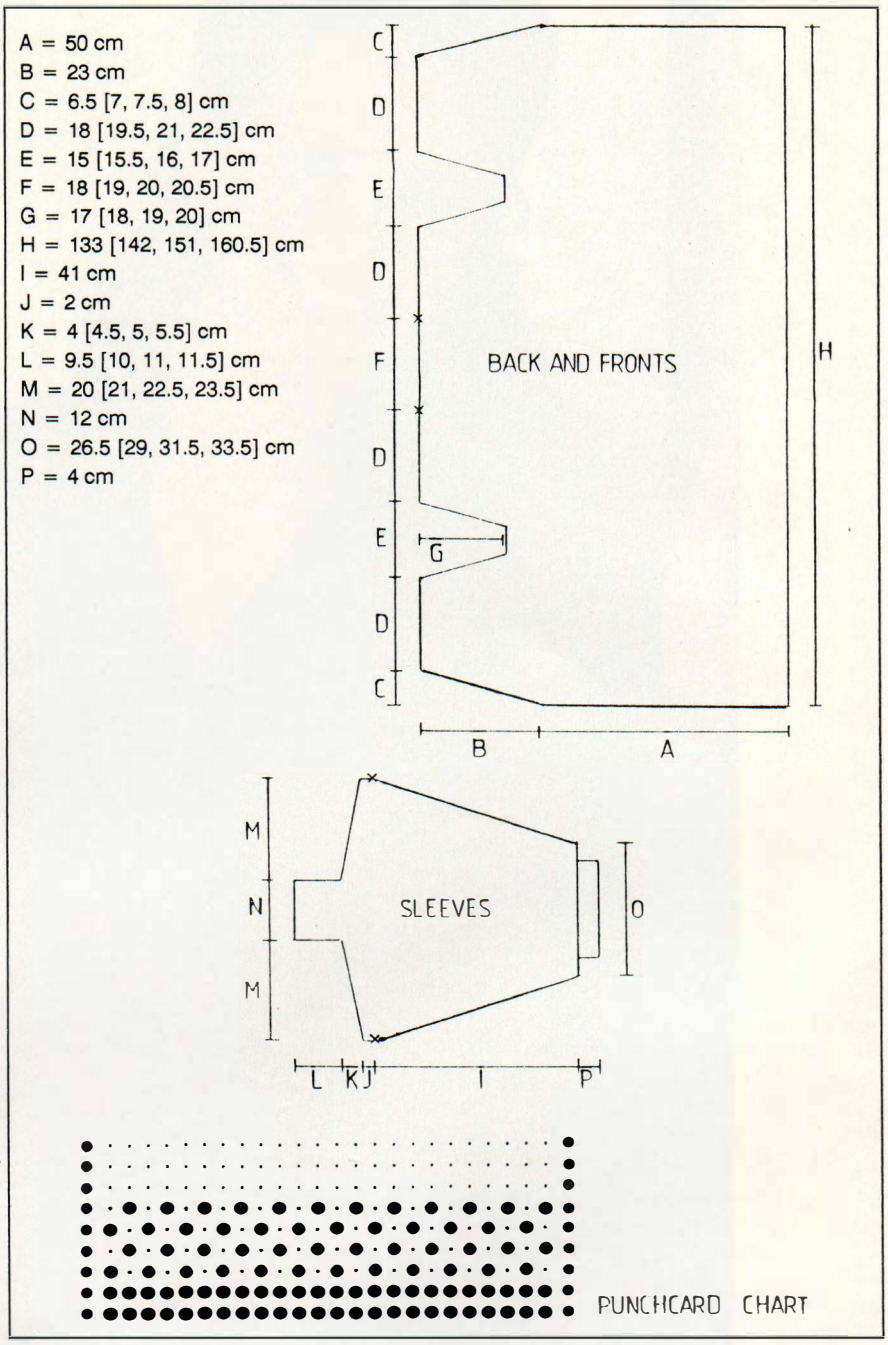
Push 56 [60, 66, 70] Ns at centre to WP. * Insert card and lock on first row. Using MT and WY, cast on and K a few rows, ending with carriage at right. Set RC at 000. Using MC, K 1 row. Cont in weaving patt, K 18 rows. Cont in st st and MC. Using MT-1, K 18 rows *. Using WY, K a few rows and release from machine, leaving Ns in WP. With P side of sleeve facing, pick up sts along lower edge and place on to Ns, gathering evenly. With K side of cuff facing, replace sts from first row on to same Ns. Fold cuff in half and with P side facing, replace sts from last row on to same Ns. Using MC, cast off loosely.

TO JOIN SLEEVE SEAM

Push 111 Ns to WP. With P side of sleeve facing, pick up 111 sts between top of cuff and marker and place on to Ns. Fold sleeve in half. With K side facing, pick up 111 sts between top of cuff and marker and place on to same Ns. Using MT + 2 and MC, K 1 row. Cast off.

MAKING UP

Set in sleeves, sewing sts above markers to straight rows of armhole (easing to fit). Make 2 pleats in back and front shoulders and sew to saddle yokes.



BUTTONHOLE BAND

Push 198 Ns at centre to WP. With P side of right front facing, replace sts on to Ns. Insert card and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT and MC, K 1 row. Cont in weaving patt, K 9 rows. Counting from right edge, make buttonholes over Ns 56, 57, 58, 59, 60, 61; 80, 81, 82, 83, 84, 85; 104, 105, 106, 107, 108, 109; 128, 129, 130, 131, 132 and 133. K 9 rows. Cont in st st and MC. Using MT-1, K 9 rows. Make buttonholes over same Ns as before. K 9 rows. Cast off.

BUTTON BAND

Work as for buttonhole band but read left front for right front and omit buttonholes.

NECKBAND

Push 107 [109, 111, 113] Ns to WP. Work as for cuffs from * to *. Cast off, leaving Ns in WP. With P side facing, pick up 31 sts across right saddle yoke, 45 [47, 49, 51] sts across back neck and 31 sts across left saddle yoke and place on to Ns. With K side of neckband facing, replace sts from first row on to same Ns. Using MC, cast off loosely.

TO COMPLETE

Join cuff and band seams. Fold band in half and catch down on inside. Sew in shoulder pads, if required. Using A, work 1 row of dc around lower edge. Finish buttonholes and sew on buttons to correspond.

Wash, block and steam the jacket well to achieve a good draping fabric.

Finishing touch

WOVEN JACKET

This month I have designed a really warm jacket using the Knitweave technique. This jacket combines warm natural yarns and a little luxury mohair and chenille interspersed with the plain stocking stitch rows to keep the fabric light

The yarns I have chosen are **Texere 3-ply Pure Wool** for warmth and for being a well behaved yarn which is very important for the base. The weaving yarns are **Texere Super Luxury Chunky Mohair** and **Texere DK Cotton Chenille.**

When using the technique of Knit weaving, the weaving yarns can be almost any type of fancy yarns because they are woven under and over the stitches and do not get knitted onto the needles at all. When using really thick yarns it is important not to weave on every row as the fabric would become much too heavy and difficult to knit.

This jacket is knitted sideways and, due to the very nature of knitweave fabric which allows very little stretch across the stitches, there should be no drop left in the fabric after it has been washed and steamed. The combination of natural yarns and the weaving technique should ensure that you will have made a long lasting garment which keeps its shape to the end.

Readers who have never tried knit weave on their machines should have a go now. However, I do recommend that you do not tackle the jacket immediately because mohair is not the easiest of yarns to work with!

Try one of your standard patterns that are recommended for weaving with a nice smooth weaving yarn for your first attempts. If you are not sure which ones are appropriate for weaving, look in the pattern sheet which came with your machine. If you are really stuck, card one or card three will suffice for starters. Basically, a good weaving card contains areas with no more than three blank or punched/marked squares adjacent to one another (it doesn't matter how many are together vertically).

In **sample one** I have used pattern 29 from the standard 580 mylar sheets and **Forsell 4-ply Pure Wool** for the knitting yarn with **Forsell DK Pure Wool** for the weaving yarn. Woven fabrics should generally have a thicker weaving yarn than the knitting yarn.

Both yarns were threaded up exactly as described in the manual and the weaving yarn was carried beneath the carriage, across to the leading edge and behind the red knob before each row was knitted. Silver Reed machines can use the special weaving arm to speed up any weaving where the same yarn (which should not be too thick) is knitted for many rows at once. This weaving arm is tremendous if you have a lot of regular knit weaving to do, as it saves having to move the yarn manually before each row is knitted. Both my samples were knitted using the weaving arm but the jacket was not.

Sample two uses the same yarns and pattern one from the standard set. I have shown the pattern with the card rotating and also with it locked in order that you might see the very noticeable difference this makes to the pattern.

Pattern one is a very utilitarian pattern when used this way. However, if the feature of a fabric is to be in the irregularly spaced rows of weaving with unusual yarns, then pattern one is one of the best to use.

Before you progress to working the tension swatch for the jacket, try using pattern one and a smooth double knit yarn woven onto a smooth 4-ply yarn to produce a sample as follows:

Do not thread the weaving yarn into the second side of the tension mast, just place the cone to the left (or right) of your feet, taking care not to kick it over whilst knitting!

Feed card one into the machine and lock it on the first row. It doesn't matter whether you are weaving or not - if the weaving yarn is in position it will be woven, if it is not, it won't!

Cast on 40 stitches and knit 2 or 3 rows ending with the carriage on the right. Put a peg onto the end of the weaving yarn to hold it safely beneath the carriage.

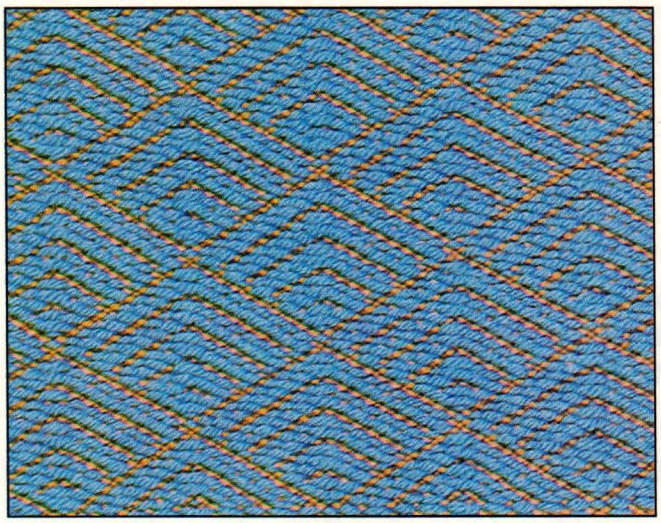
Hold the yarn in your left hand and lift your hand above the carriage, making sure the pegged end is below the carriage. Move the carriage very slightly to the left so that the yarn becomes trapped between the sinker posts and the plastic wheel, then hook the yarn behind the red knob that protrudes from the left edge of the fabric presser.

Ensure the weaving brushes are operational, set the cam to weave if necessary and take the carriage across to the left side of the work. The weaving yarn should be trapped under and over the knitted stitches. If not, check that you have the weaving brushes down and side levers back if using a punchcard, or cam to W if using an electronic machine. Make sure that the weaving brushes rotate freely - if they don't you must unscrew them and remove any trapped fibres.

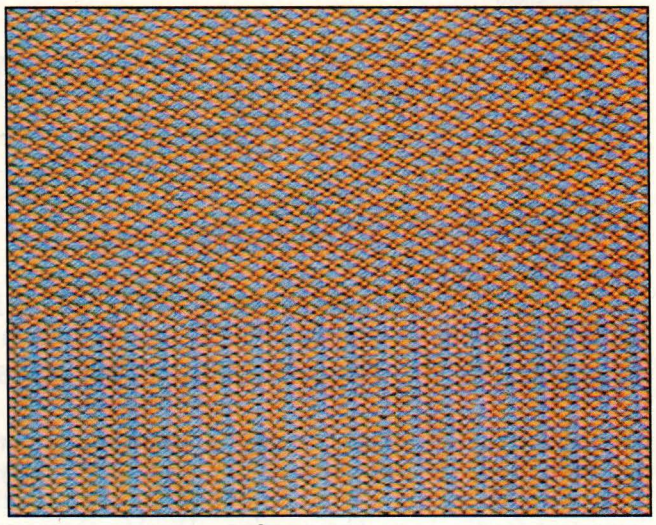
Leave the weaving yarn where it is after gently freeing it from the fabric presser and knit 2 rows.

Hook the weaving yarn under the right hand red knob and weave 1 row. As the carriage passes the last few stitches take the yarn from behind the red knob and hold it below the fabric presser as you finish the row. This allows for a speedy and trouble free yarn change. Weave another row and then knit 4 rows before weaving two more.

Continue in this way trying out different spacings between the weaving rows. If you have two weaving yarns 44▶



Sample One



Sample Two

you can weave one row with yarn A then two rows with yarn B and a final row with yarn A. This is how the jacket is knitted but with plain rows between the rows in colours A and B.

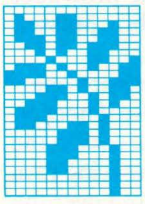
You should now be ready to knit your tension swatch. The weaving arm is no use for this design and the weaving yarns really should be hand fed even if you have a four way tension mast, otherwise you'll find the mohair won't feed through evenly.

Please be aware that mohair really is one of the most difficult fibres to knitweave because the long hairs get trapped around the sinker posts. I used spray wax on the cone before knitting with it to help the fibres 'stick together'. This really does work.

It will also be necessary to pull quite hard on the knitting every few rows to pull the hairs off the sinker posts. Some knitters find a comb and weights help but I just find they get in the way when I give the fabric a good tug. Don't let this put you off knitting the jacket.

The fabric will feel a little coarse when it comes off the machine but once it has been washed and steam pressed it really is lovely and soft.

Angela Gordon



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CREATIVE STITCHES

This month sees the start of a series of articles about some of the less used rib stitches. In each issue, there will also be a pattern for a wrap, knitted in a variation of that month's stitch. The wraps have been specially designed by Maggie Dyke

This month's stitch is drive lace and it can be knitted on all gauges of machines, punchcard and electronic. The instructions in the manual can seem daunting, but it's actually very simple to knit. The body of fabric is formed on the ribber. The pattern stitches are knitted on the main bed and are stripped off (dropped) every two rows. The dropped stitches from the main bed blend into the fabric being knitted on the ribber, forming the pattern.

The next part of this article is an exercise in knitting basic drive lace, that is, drive lace as in the manual. It should be read at your machine. Using a yarn of medium thickness for your machine, for example four-ply for a standard gauge machine, cast on and knit a welt in the usual way, finishing with the carriage at the left. Bring the out-of-work needles on the ribber to working position and then transfer the stitches from the main bed to the ribber, just as if you were about to knit stocking stitch on the ribber. When knitting a rib fabric that involves stripping off stitches after knitting the welt, you must transfer all the stitches from the bed which is going to drop stitches to the other bed. For drive lace, it's the main bed stitches that will be stripped off so, after the welt, all the main bed stitches are transferred to the ribber. If you don't do this, the first time you strip off the main bed stitches they will run all the way down through the welt, which is not what you want!

Next, arrange the needles as in Figure 1. There are two needles less on the main bed at each side than on the ribber, so there will be no lace holes at the edge of the knitting. This gives a neat edge, improving the finish of the knitting.

There are drive lace patterns in the ribber punchcard pack and in the 560 electronic basic pattern set. For the later electronic machines, there are drive lace patterns in the machine manual. These have to be copied out. (Don't use Maggie Duke's pattern at this stage as her stitch, being a development, is knitted in a slightly different way.)

Insert the punchcard and lock on row one. On electronic machines, turn the inspection light on and insert the mylar sheet or read it into the Design Controller. Line up the point cams with the edge needles on the main bed and position the N1 cam as you wish. Now do two free passes (Figure 2) to read the punchcard or the electronic cams. On punchcard machines unlock the card, on electronics, turn off the inspection light. Set the carriages as in Figure 3. The ribber is set to knit every needle on every row and the main bed to slip according to the punchcard or electronic programme. Notice that on punchcard machines and the 860 and 890 electronics, the side levers are set, right, back on ▽ and left, forward on 0. More of this later, but make sure you get it the right way round! On electronic machines, the number 1 light-hand light must be on.

The correct tension setting is, as always, the one that gives you the fabric you like; but start by setting the ribber tension to stocking stitch tension (for the yarn you're using) plus one or two whole numbers. As I've said above, for the ribber it is like knitting stocking stitch - the ribber knits a slightly smaller stitch on any given number, so stocking stitch tension plus 1 or 2 is a good place to start. The main bed, again, is set to give you a result you like. The manuals suggest two whole numbers more than the ribber, whereas I usually prefer two or three less than the ribber! Experiment to see what you like.

We're almost ready to knit. But as the main bed needles don't have any stitches on, the ribber needles may find it difficult to knit. To help them knit, the ribber needles are moved to the upper working, C, position. This has to be done before every row and to make it easier, you're provided with a little plastic carriage - the P carriage. Run it across the ribber needles from left to right and the needles are moved to the C position. **Don't** pass it back from right to left - if you do you'll strip off all the ribber stitches!

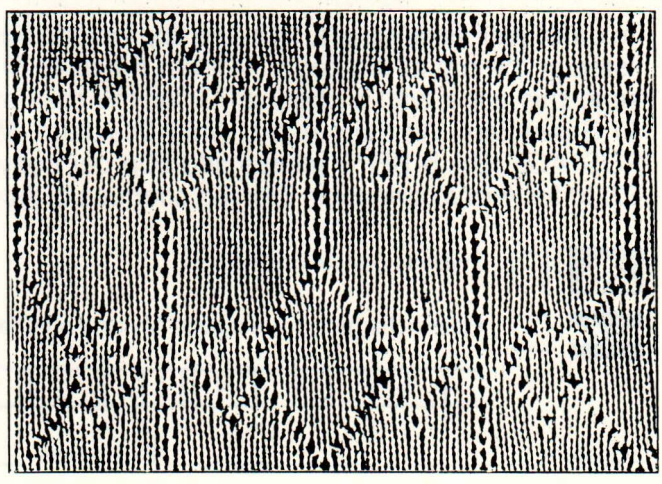
Knit 1 row. All the ribber stitches knitted and some of the main bed.

Pass the P carriage across the ribber bed from left to right.

Knit 1 row. Only the ribber stitches knitted, though the main bed still has stitches on from the previous row.

Strip the main bed stitches off by running the P carriage

DRIVE LACE



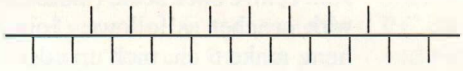
across the main bed from right to left and then from left to right.

Now bring the ribber needles to C position using the P carriage. This starts the sequence again.

To summarise:
1. Pass P carriage across the ribber bed to move the ribber needles to C position.
2. Knit 1 row from left to right. Both beds knit.
3. Repeat step 1.
4. Knit 1 row right to left. Ribber only knits.
5. Pass P carriage across the bed twice, starting at the right. The main bed stitches are stripped off.

It sounds a bit complicated, but you soon get into a rhythm.

One of the key points to notice with this sort of drive lace is that at Step 2 the main bed and ribber both knit; at Step 4, only the ribber knits and the main bed stitches are stripped off at Step 5 **after** the ribber only row. It is important that you strip the main bed stitches off at the correct place in the sequence, after the ribber has knitted on its own. This row seems to lock the main bed stitches so that when they are stripped off they form a definite pattern. If you strip the main bed stitches off immediately after they've been knitted, before knitting Step 4, they almost disappear into the fabric and the effect is like badly knitted stocking stitch.



Ribber on half pitch

| = Needle in working position

Figure 1

RIBBER CARRIAGES		
All ribbers except SRJ70 and FRJ80	Set levers Pick knob	0 ⌐
SRJ70 and FRJ80	Set levers Select levers	0 0
MAIN CARRIAGES		
Punchcard machines; and 860 and 890 electronics	Cam lever Side levers	S 0
Standard- and fine-gauge electronics	Carriage released using carriage release button	

Figure 2 CARRIAGE SETTINGS FOR A FREE PASS

RIBBER CARRIAGES		
All ribbers except SRJ70 and FRJ80	Set levers Pick knob	1 ⌐
SRJ70 and FRJ80	Set levers Select levers	1 0
MAIN CARRIAGES		
All machines	Cam lever	S
Punchcard machines; and 860 and 890 electronics	Right side lever Left side lever	▽ 0

Figure 3 CARRIAGE SETTINGS FOR DRIVE LACE

Now let's return to the side levers on punchcard machines and the SK860 and 890 electronics. Above, I said the right side lever should be on ▽ and the left on 0. When the cam lever is on slip and the side lever on the leading edge of the carriage (the side of the carriage nearest to the knitting at the beginning of the row) is on ▽, the carriage interacts with the patterning mechanism and slips and knits according to the pattern. When the side lever on the leading edge is on 0, the carriage slips all the needles regardless of the pattern. This of course, is what is needed for basic drive lace - slip and knit on the main bed on one row and slip every needle (on the main bed) on the next.

On the basic patterns for drive lace, the pattern has marked squares (or punched holes) on alternate rows only and the rows between are blank. So, even with both side levers on ▽, the main bed would still slip and knit on one row and slip every needle on the next. However, with the side levers set right on ▽ and left on 0, you can use any pattern for drive lace, even if it's marked out on every row. The carriage will ignore the pattern when the side lever on the leading edge of the carriage is on 0 and every needle will slip. The chunky ribber manual and the 890 manual have suggestions for using some patterns that are marked out on every row for drive lace.

On standard and fine-gauge electronics, the side levers are controlled by the cam lever. For these machines, the pattern has to be marked out with alternate rows blank.

Now let's consider the thickness of the yarn that can be used for drive lace. The needles are arranged in a full needle rib and usually, when using this needle arrangement, you must use a yarn that is fine for your machine, that is, DK for chunky machines, two- or three-ply for standard gauge. However, since when knitting drive lace the main bed stitches are stripped off every two rows, it is possible to knit drive lace in a medium thickness yarn. Although drive lace is knitted with both beds, it is really a single bed fabric, not a rib one. When knitting a tension swatch though, treat it as a rib fabric and knit a larger-than-usual swatch for a more accurate result.

The above is all about basic drive lace. That is, drive lace knitted following the instructions in the ribber manuals. I believe it is always best to learn the basics first. Once you know and understand the basic stitch, you can say 'What if . . . ?' and move on and develop the stitch. When designing the wrap, Maggie Dyke has developed the stitch for us. The pattern as you can see (page 48) is marked out on every row and Maggie has knitted it so that the main bed has knitted and slipped according to the pattern on every row (so both side levers are on ▽ on punchcard machines and the 860 and 890 electronics). The main bed stitches are stripped off after every row as well. Maggie has used a fine yarn and the result is a delicate and open fabric. Maggie has also used the purl side as the right side, which adds texture enhancing the design.

Ann Kite

Silver special

LIGHT AND LOVELY

Knit this stunning, lightweight wrap designed for you by Maggie Dyke - Promotions Manager of Silver Reed. It's knitted in Bramwell Celebration and Silky

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for Silver Reed standard gauge punchcard or electronic machines with a ribber and colour changer.

MATERIALS
Bramwell Celebration.
(Yarn Guide No. 10.)
1 x 500g cone in Black (MC).
Bramwell Silky.
(Yarn Guide No. 5.)
1 x 500g cone in Beige (C).
Crochet hook.

GARMENT WEIGHT
Finished garment weighs 420g.

The fibre content of Celebration is 92% Acrylic, 8% Nylon; Silky is 100% Bright Acrylic. For further information about these yarns, please write to the following address:- F. W. Bramwell & Co., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington BB5 5TU.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENT
Length to shoulder 95 cm, 37½ in.

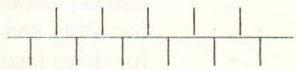
TENSION
28 stitches on ribber and 31 rows to 10 cm, 4 in measured over drive lace (tension dial approximately 2/2).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used purl side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
We used a Silver Reed card for this pattern and reproduce it courtesy of Silver Reed. For further information about Silver Reed cards and machines, please write to Silver Knitting Machines Ltd., Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.

PANELS (Knit 4)

NEEDLE DIAGRAM



Electronic Machines: K 2 panels with button 2 (left light on) and 2 panels with button 2 (right light on).
Punchcard Machines: K 2 panels with card inserted normally and 2 panels with card inserted back to front.

With carriage at left and colour changer in position, push 160 Ns on ribber at centre to WP. Push 159 corresponding Ns on main bed to WP as needle diagram for double rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Using MT/MT, K 2 rows. Transfer all sts to ribber, leaving empty Ns on main bed in WP. Insert card and lock on first row.

Electronic Machines
Set pattern width indicators at 0 and 8 for SK840 machines (at 8 for earlier models). Place needle 1 cam at 4 left and point cams at width of knitting on main bed.

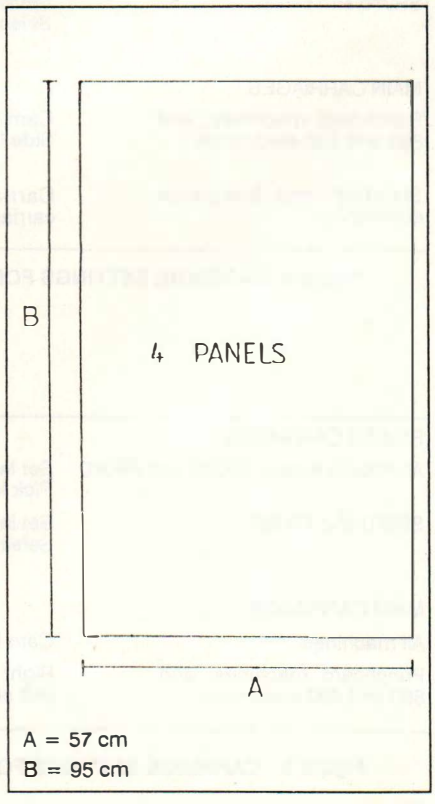
All Machines
Set RC at 000. K 2 rows on ribber only (use carriage release lever to lift main bed carriage).

Electronic Machines
Set cam lever to SJ.

Punchcard Machines
Side levers back. Set cam lever to slip.

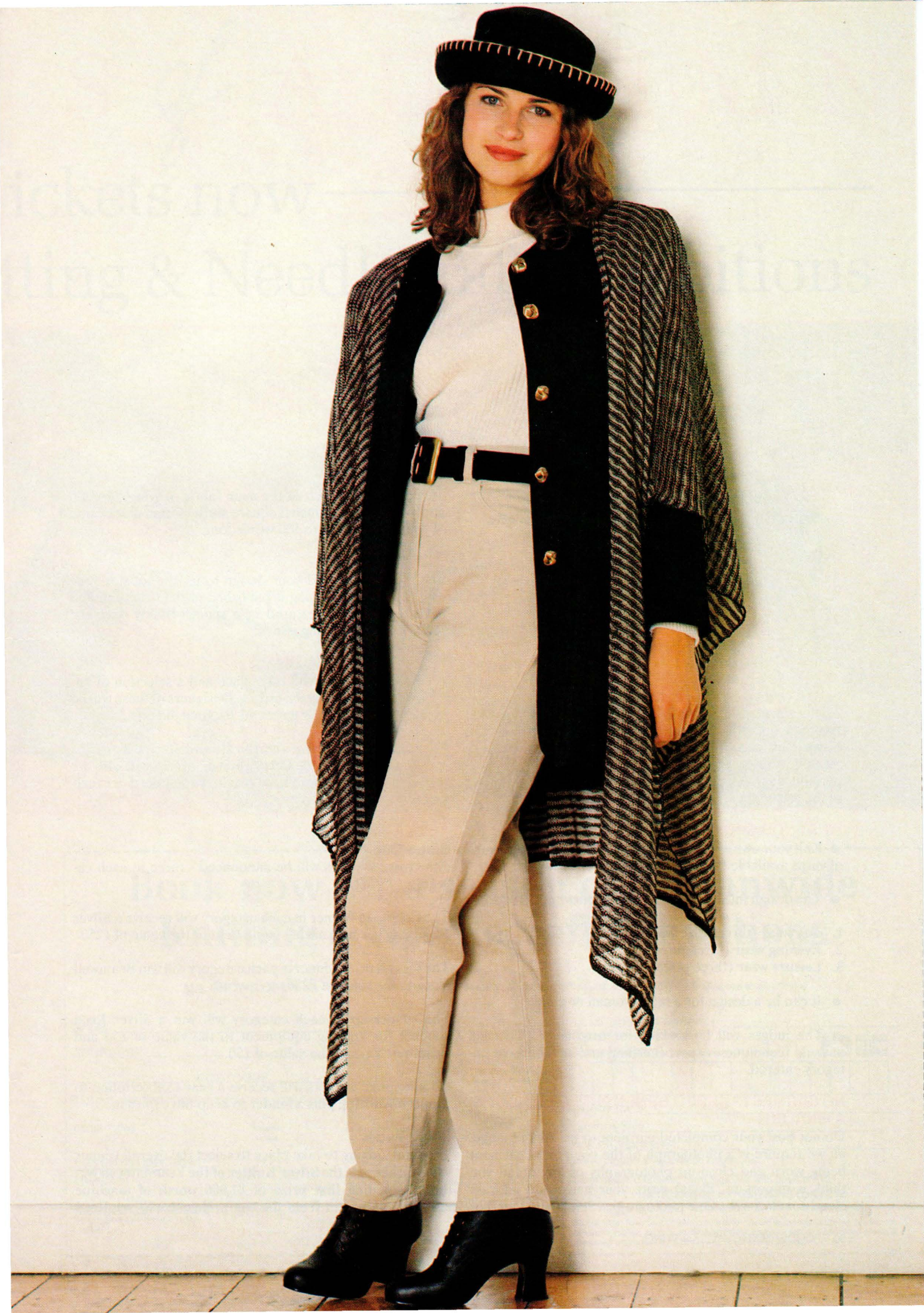
All Machines
Release card and cont in drive lace. Use P carriage on **every** row to release loops from main bed Ns and to bring ribber Ns to UWP. (Normal drive lace patts make the release loops on every alt row.) Cont in stripes of 2 rows MC and 2 rows C throughout. K 292 rows. RC shows 294. Using MC, K 1 row on ribber only (use carriage release lever). Transfer sts to main bed. Cast off with a transfer tool.

MAKING UP
Join centre back seam (matching patt) with crochet as follows:- Join MC at hem, make 6 ch, pick up edge of second piece, make 6 ch. Cont zig-zagging from first to second piece and back. Join shoulder seams, gathering fronts on to back, leaving 20 cm, in total across back neck (10 cm on each back piece). With right side facing and using MC, crochet along front, neck and side edges as follows: Crochet into edge, make 2 ch, then go through edge of knitting again (3 ch in all - 1 into fabric and 2 loose).



Jacket, P.T.A. Trousers, COMPLETE ESSENTIALS. Shoes and sweater, KAYS. Belt, OTTO GLANZ. Hat, FRENCH CONNECTION.

52 ▶



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WHAT YOU SHOULD DO

- Knit your own, original design using any of the vast range of yarns available from the **Bramwell** collection.

- The design must fit into one of the following categories:

1. **Day wear** (three prize winners)
2. **Evening wear** (three prize winners)
3. **Leisure wear** (three prize winners)

- It can be a design for a man, woman or child.

- The judges will be looking for originality of design, unusual techniques, expert finishing and suitability to category entered.

NO GARMENTS ARE TO BE SENT UNLESS YOU ARE A FINALIST

Do not post your completed garment to us. At this stage, all we require is a photograph of the completed garment being worn and close-up photographs of any detail you think is important. Please write your name and address clearly on the back of the photographs. Send them together with a knitted swatch of the main fabric of your garment, approximately nine inches square and a written description of your garment up to 100 words long.

DESIGNS IN PRINT

The sooner you send your design to us, the greater your chance will be of seeing it published in the magazine and having your entry featured in a special **'Early Arrivals'** section in forthcoming issues.

THE ROAD TO THE FINALS

Preliminary judging will take place and a selection of entries will be chosen by the judges. Designers of these will be invited to send in their garments for final judging.

Each finalist will receive a certificate announcing his or her status as a finalist. A **Certificate of Merit** will also be awarded to knitters who have reached a standard of excellence.

PRIZES

Stage One

Nine prize winners will be announced - three in each category.

The first prize winner in each category will receive a **Silver Reed** voucher for knitting equipment to the value of £250.

The second prize winner in each category will win **Bramwell** Yarn to the value of £250.

The runner-up in each category will win a **Silver Reed** voucher for knitting equipment to the value of £50 and **Bramwell** Yarn to the value of £50.

All nine prize winners will receive a year's subscription to **Modern Knitting** plus a binder to keep the copies in.

Stage Two

The final judging to take place to select the overall winner who will become the **Silver Knitter of the Year** and will win the outstanding first prize of **£1,000 worth of machine knitting equipment from the comprehensive Silver Reed**

range. The winner will be able to choose any machine or accessory from the current range.

SHOULD YOU MAKE IT THROUGH TO THE FINAL STAGES

The winning designs must be knitted on a **Silver Reed** knitting machine (but you don't have to own it) and in **Bramwell** yarn and sent to us, together with the written pattern - including original charts and diagrams, for publication in a future issue of **Modern Knitting**.

TO ENTER

1. Design and knit your garment on a **Silver Reed** knitting machine using **Bramwell** yarns. (You don't have to own the machine.)

2. Take a photograph of the garment (you can wear it yourself or ask a friend to model it for you).

3. Write your name and address clearly on the back of the photograph, together with the category you have entered.
4. Knit a swatch of the main fabric, approximately nine inches square and pin to it the cone band from the yarn you have used.

5. Write a brief description of the design - up to 100 words, mentioning any features of special interest.

6. Fill in the coupon on this page.

7. Post the coupon, photographs, swatch, cone band(s) and description to the **Silver Knitter of the Year Competition**, *Modern Knitting, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW.* Enclose a large, self-addressed envelope, stamped with the correct postage if you would like your entry returned.

8. Entries can be sent in at any time, but must reach us by 30th April 1995. We can accept no responsibility for entries lost or delayed in the post.

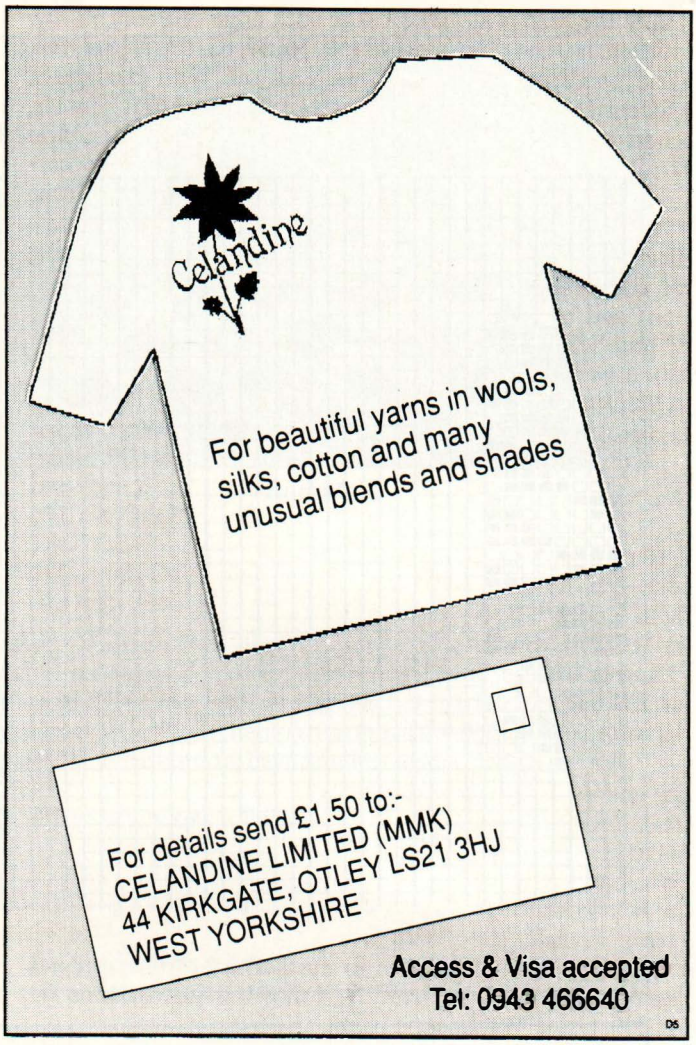
9. No cash alternative will be offered.

10. The winners will be notified in writing and the competition results will be published in a future issue of Modern Knitting.

11. The judges' decision is final and no correspondence will be entered into regarding the competition.

SILVER KNITTER OF THE YEAR

Name (Print clearly) .....
Address .....
.....
Town .....
County .....Postcode .....
Category entered .....
Bust/chest size of garment .....
Model of Silver Reed machine used .....
Accessories used (if any) .....
.....
Bramwell yarn(s) used.....
.....
I certify that this is my own original work
Signature .....Date .....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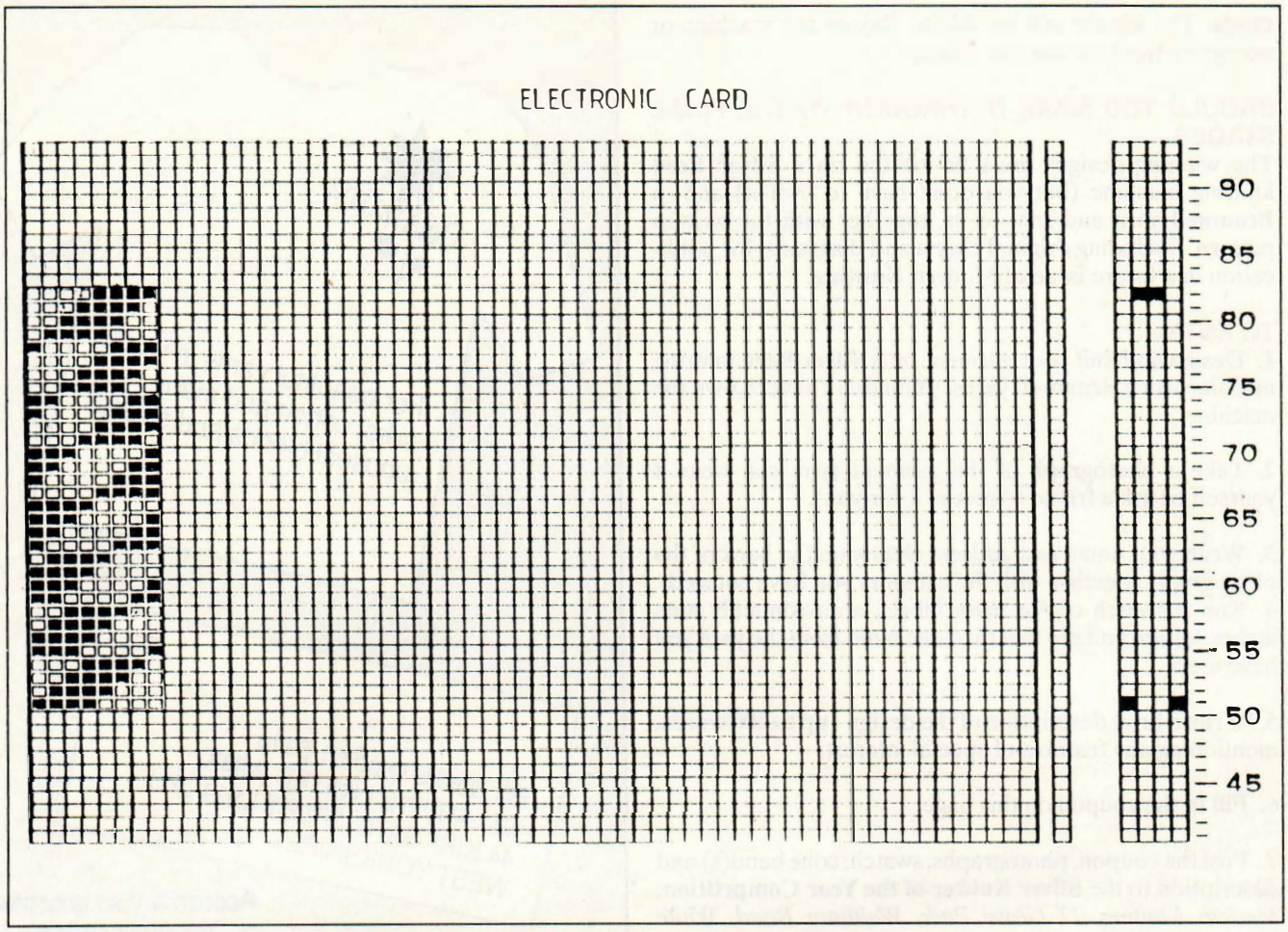

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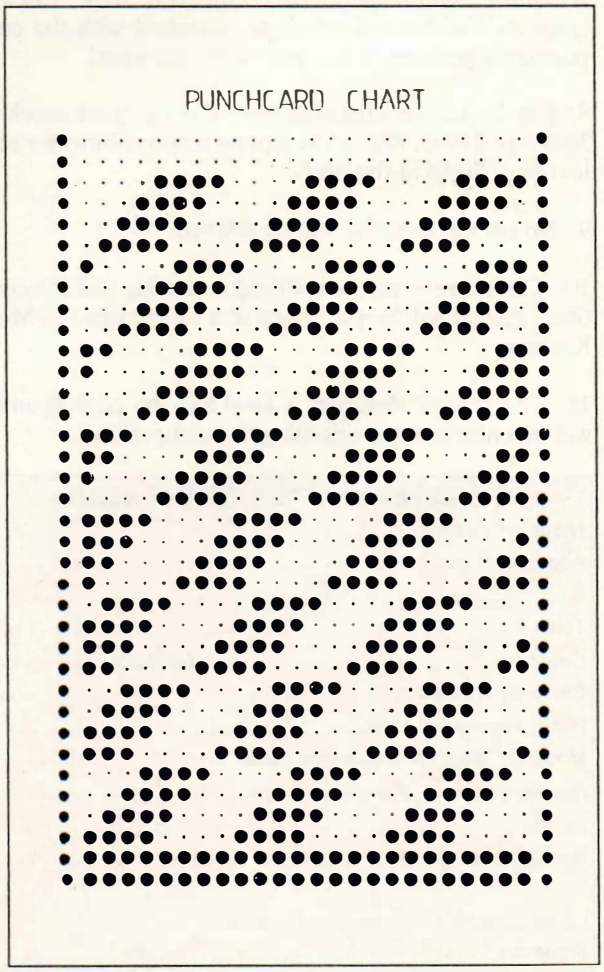


Letters, hints & tips

Every month our laden postbag proves to us just how generous you all are when it comes to sharing the secrets of successful machine knitting. We pay £5 for every letter we publish, provided it has not already been accepted or published elsewhere, plus a year's subscription to the magazine for a Star Letter

KNITTING IN THE ROUND

A letter from **Joel Florian in Canada** describes knitting intarsia using the circular setting with both ribber and main bed.

I thought that I might try to save some time (and get a better product) by knitting a sweater in the round. Since my design was a simple pullover with a large intarsia motif in the centre, I thought it would be fairly simple. It wasn't. In order to have the colours of the intarsia lock together it is necessary to move the knitting back and forth across the piece instead of continuously as is normal for tube knitting. However, I knew that it was physically possible because Argyle socks are tubes with intarsia.

I started my motif in the centre of the bed but found that I was always pushing part buttons (or forgetting and having to rip out a row). So, I solved the problem by centering the motif on the left joint between the knit and the ribber beds - half the design on each bed. With this arrangement I could rest the needles for the design, knit the main colour and then knit the design. It is a bit time consuming and the 70 rows I have completed are on waste yarn waiting for a long weekend.

Well Joel, you certainly get full marks for ingenuity here. A very interesting and unusual technique, but I think I'll stick to knitting single bed style intarsia and having separate front and back pieces. With good mattress stitching the join is hardly visible and I certainly find intarsia relatively quick when the design is simple, especially with the new electronic intarsia carriage.

Your letter got me thinking about how I would knit this way. Do you use an electronic machine with PE1 (or Brother electronic with full needle bed patterning)? If so, you could draw the full garment design onto mylar sheets, separating the design colour onto row 1, free pass on row 2, main colour on row 3 and free pass on row 4. You would have to free pass on the ribber as well on one of the free pass rows. This still leaves the problem of getting the yarns to the correct side and that could only be overcome by knitting a design with at least two contrast colours. Then you could knit colour 1 right to left, colour 2 left to right, main colour right to left and a final free pass on main bed to knit the ribber part.

Start the next sequence with colour 2 first and the ends will always be at the correct side. Seal the edges by hooking the yarn into the next needle in the opposite colour before knitting it. The ribber must be set to free pass for all the first three rows and then set to knit on the final main bed free pass. I still wouldn't want to do it because of all the yarn changing that would be necessary on the right hand side of the machine.

If anyone has been pondering how to do this, here is your answer - unless one of our readers knows better!

Here's another tip from Joel

I find it very frustrating to come to the end of my yarn and drop stitches. Our motor drive unit has a knot/yarn out sensor that stops the machine, but it does not stop me when I am hand knitting. With some spare parts from an old tape deck and a smoke detector, I cobbled together a yarn out alarm that connects to this sensor and makes a terrible screech when the yarn breaks. It does not always trigger fast enough to stop me however, so I think I am going to try to make a sensor that notices when the whip goes up too high.

Thank you Joel, we have never before had a smoke detector suggested to avoid running out of yarn. I would certainly notice if my smoke detector went off, but would probably drop all the stitches from shock! Tying a length of brightly coloured yarn onto the end of your cone helps when you are worried about running out of yarn. This can be pulled back if it gets knitted in, as it inevitably does, much quicker than picking up dropped stitches. This doesn't help if the yarn snaps of course - any ideas from readers will be very welcome.

Angela Gordon

BOND KNITTERS UNITE

Ruth Wood has always been a big fan of the Bond system and it upsets her to see all the Bond knitting machines being sold because of lack of tuition. Ruth would like to get everyone together to form their own Bond Exclusive Club. She will be able to teach you some very clever tricks on your machine so that you will see just how versatile it really is. For more information, please write to Ruth Wood, Sunset Cottage, Main Road, Grainthorpe, Lincolnshire.

Club speakers

ANGIE GIBBONS. 26 Cripps House, Henderson Road, Broadfields, Crawley, West Sussex RH11 9HY. Tel: 0293-523805.
Creative lecture by qualified designer covering design research, inspirations, colour theory and yarn usage. Detailed design techniques as given in Swatch Spot articles in Modern Machine Knitting. Garments from children to adults shown. Workshops can be arranged. Any distance considered.

ANN BROWN. Posh Frocks, 35 The Links, Whitehill, Bordon, Hampshire GU35 9HB. Tel: 0420-474904.
All aspects of design from techniques to pressing, including slide show, also Passap/Pfaff. Clubs - 100 miles. Workshops and hands-on, any distance.

ANN DISHMAN. Briarbank, Highview Lane, Ridgewood, Uckfield, East Sussex TN22 5SY. Tel: 0825-767757.
Life with Angoras. Angora yarn: its uses, handspinning for the knitting machine. Rainbow dyeing of commercial and handspun yarns with demonstrations. Reasonable distance as rabbits also travel to clubs.

ANN DURKAN. Michaelmas Cottage, Twineham, West Sussex RH17 5NN. Tel: 0444-881556.
Lively choice by qualified designer, concentrating on creativity, garment design and imaginative use of colour and texture. Emphasis on Elegance made Easy. Plenty of sample garments to try on and have fun with. Workshops also arranged. No restriction on distance.

ANN ROSS. Ann's Yarns, Unit 30, Fourth Avenue, Bluebridge Industrial Estate, Halstead, Essex CO9 2SY. Tel: 0787-476540.
Any subject on the Japanese machines. Yarns and books available. 60-mile radius. Further by arrangement.

ANNE KENT. 23 Springfield, East Grinstead, West Sussex RH19 2RT. Tel: 0342-313562.
Informative talks; Sideways sweaters to your size; Size right; Punchcard designing; Pockets galore. Reasonable distance from East Grinstead.

ANNE WARWICK. The Knitting Studio, 3 Frobisher Close, Hinckley, Leicestershire LE10 1UP. Tel: 0455-636409 after 6pm.
Knitting with Oiled Yarns, Cashmere, Lambswool/Angora, Shetland, etc. Successful knitting in luxury oiled yarns. Talk and demonstration with samples, swatches and garments covering yarns counts, tensions, scouring, finishing, care for garments. 50-mile radius, further by arrangement.

BERYL JARVIS. 90 Asfordby Road, Melton Mowbray, Leicestershire LE13 0HR. Tel: 0664-68449.
General talk, a bit of history, garment techniques and knitting trims; machine knitted lace, making up; Jacquard; open to requests, whatever the topic I always knit; workshops can be arranged. Any distance considered.

CHRISTELLE MARKS-JEFFERY. Christelle Creations, Badgers Copse, Hampers Lane, Storrington, West Sussex RH20 3HU. Tel: 0903-743147.
Designing and adorning marvellous mohair. Easy appliqués and garment decorations for all knitwear, fashionwear and even home decor. Club visits, workshops, day courses and mail order available. Any distance considered.

JACKIE SMITH. Jaquandra, 91 Harper Green Road, Farnworth, Bolton, Lancashire BL4 0DU.Tel: 0204-794835.
Cotton crusade. Knitting with cotton yarns? Want to know more? Want to produce professional garments easily? Let me help. Ring for demonstration details. Any distance considered.

JANET ROELANDTS. 24 Church Lane, Husbands Bosworth, Lutterworth, Leicestershire LE17 6LS. Tel: 0858-880286.
Dyeing wool with natural dyes. Mordanting techniques. How to get the colour you want. Suitable yarns to use. 50 mile radius. Further by arrangement.

JENNY ROSE. 12 Bercta Road, London SE9 3TZ.
Tel: 081-859 2745.
Knitting with mohair; Punchcard design; Surface decoration; Yokes galore; Ribber workshop. Send SAE for further details. No restriction on distance.

JOHN BLAKEMAN. 25 Englesea Avenue, Weston Coyney, Stoke-on-Trent, Staffordshire ST3 5HL. Tel: 0782-313077.
Ex-Brother supervisor. Basic and advanced knitting techniques - Japanese machines. Programming - all Brother electronics. Using colour changers and accessories. Speciality - Jacquard and ribber techniques. Club visits, courses and workshops. No restriction on distance.

KAREN DIESNER. 53 Avondale Road, Edgeley, Stockport, Cheshire SK3 9NY. Tel: 061-480 5381.
Singer double bed electronic machines. Single and double bed techniques, including lace, Jacquard, cut and sew and the colour changer. Demonstration of the system 9000 and 624. Workshops arranged with pleasure. North West England. Further by arrangement.

KATE ARKLAY. 3 The Vinery, Winscombe, Avon BS25 1AZ. Tel: 0934-843634.
Design ideas, slip stitch, weaving, sideways knitting, blocking and pressing including skirts. All talks accompanied with sample swatches and garments. Clubs - Any distance considered please discuss . . . workshops, hands-on any distance.

MAGGIE ANDREWS. 79 Hookfield, Harlow, Essex CM18 6QQ. Tel: 0279-422994.
Maggie has been designing knitwear for publications for 14 years and has recently finished her seventh Bramwell pattern book. Maggie offers demonstrations and talks on many subjects. SAE for details. 40 mile radius of Harlow.

MAUREEN COXON. 29 Walthamstow Drive, Mackworth, Derby DE22 4BS. Tel: 0332-345357 or 0332 512243.
Fibres, fabric and fashion: inspiring and informative club meeting or workshop to help you use your skills, ideas and equipment to create current fashion trends. Supported by sample garments, patterns and appropriate haberdashery. 50 mile radius, further by consultation.

PAM TURBETT. 17 Forest Rise, Liss Forest, Liss, Hampshire GU33 7AU. Tel: 0730-893654.
Cut and sew i.e., dressmaking with fabrics made on your machines. No restriction on distance.

PEGGY LA RIVIERE. 67 Bartholomew Road, London NW5 2AH. Tel: 071-267 2712.
The blocking cloth and finishing; demonstrations of stitched appliqué on knitwear; a good way of using up tension swatches. Original winter coats. Up to two hours from London, further by arrangement.

RITA RUBERY. 18 Forest Close, Streetley, Sutton Coldfield, West Midlands B74 2JZ. Tel: 021-353 9623.
Talk called 'Made to Measure' Knitwear with 28 garments, illustrations, books and patterns. Any distance considered.

ROZ KELLETT. 68 St Aubins Avenue, Bitterne, Southampton, Hampshire SO2 8NW.Tel: 0703-446389.
Take the tension out of knitting. A designer shares her secrets and enthusiasm for the craft we all love. South of England, elsewhere by request.

RUTH COX. Pippin Designs, 22 Clifton Road, Dunstable, Bedfordshire LU6 1LU. Tel: 0582-605808.
No ugly ducklings. Bears, babies and beautiful dolls. Hints and tips on how to make machine knitted toys successfully. 50-mile radius, further by arrangement.

SYBIL WHISTON. 27 Foot Wood Crescent, Rochdale, Lancashire OL12 6PB. Tel: 0706-33667.
Making fabrics with your machine. A decade of machine knitting. The history of knitting and the influences of people, places and things. Other themes on request. Reasonable distance from Rochdale.

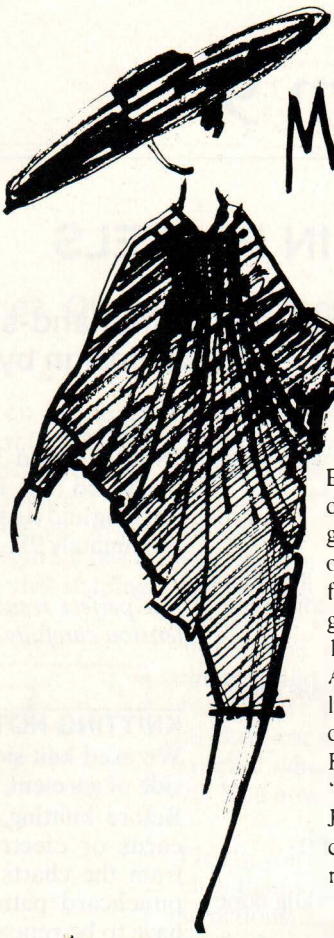
TERRY ARMITSTEAD & JANE HUNTINGFORD c/o 16 Renoir Court, Fairlands Estate, Bognor Regis, West Sussex PO22 9AY. Tel: 0243-826125.
Combined talks. TALK 1: Intarsia motifs, technique books, garment patterns and geometric designs for punchcard and electronic machines. TALK 2: 'Inspirational Variations'. How to get more out of your punchcard and electronic designs, plus all the latest of our products. No restriction on distance.

TRISHA WHITFIELD. 5 Brentwood Avenue, Cadishead, Manchester M44 5YY. Tel: 061-775 5257.
Pressing knitwear; Appliqués; Fabric paints and how to get the most out of them; Designer techniques and how to make the most of your knitting. Distances covered normally within 100-mile radius of Manchester, but special arrangements can be made for longer distances.

VALERIE MEECHAM. White Gates, Dowlish Wake, Ilminster, Somerset TA19 0NZ. Tel: 04605-4670.
Single and double bed work on Japanese and Swiss machines; 14 subjects; New techniques; Talks and demonstrations. 90-mile radius of Ilminster.

WENDY DAMON. 9 Sedley Close, Cliffe Woods,Rochester, Kent ME3 8HE. Tel: 0634-221629.
Design ideas, using punchcards creatively, double Jacquard, surface decoration and more - send for full details of talks and workshops. 100-mile radius of Rochester for talks, more for workshops.

YVONNE KNAPMAN. Jacpacs, 19 South Road, Portishead, Bristol, Avon BS20 9DU.Tel: 0275-842677.
Double Jacquard knitting, an informative talk and demonstration on all aspects of double Jacquard knitting, using the double bed colour changer or the Jac-Card, covering design and punchcard conversion. Workshop days by arrangement. Within 100 miles of Bristol.



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Mary Dowse Designs, 50 St Anne's Crescent, Lewes, East Sussex BN7 1SD

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20129

Pattern 9

PATTERNED IN PASTELS

Cuddle up in this traditional Shetland-style sweater. Knitted in Many a Mickle Shetland, it's another exclusive design by Fran Francis

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Many a Mickle Shetland 4-ply.
(Yarn Guide No. 11.)
1 x 400 [400, 400, 500, 550, 600]g cone in White (MC).
1 x 200g cone in Sky (A).
1 x 200g cone in Lilac (B).
1 x 200g cone in Sugar (C).

GARMENT WEIGHT
Finished garment in third size weighs 430g.

The fibre content of this yarn is 100% Wool. For further information about this yarn, please write to the following address:- Many a Mickle, Brier Hey, Mytholmroyd, Hebden Bridge, West Yorkshire HX7 5PF.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82 [87, 92, 97, 102, 107] cm, 32 [34, 36, 38, 40, 42] in.
Actual size 110 [115, 120, 125, 130, 135] cm, 43½ [45½, 47½, 49½, 51½, 53] in.
Length to shoulder 62.5 cm, 24½ in.
Sleeve seam 44.5 cm, 17½ in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
28 stitches and 39 rows to 10 cm, 4 in measured over Fair Isle pattern after washing and steaming (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Fair Isle Pattern
K 2 rows B only (st st), 2 rows MC only (st st), 9 rows MC/A, 2 rows MC only (st st), 2 rows B only (st st), 2 rows MC only (st st), 22 rows MC/C and 2 rows MC only (st st). These 43 rows form pattern.

Silver Reed Electronic Machines
Place needle 1 cam between Ns 12 and 13 at left or right of centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK840 machines, right light on for earlier models).

Brother Electronic Machines
Place pattern over centre 0.

BACK
With carriage at right and using MC, cast on 156 [164, 170, 178, 184, 192] sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 38 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Using MT, K 2 rows. Release card and cont in Fair Isle patt *. K 204 rows. RC shows 206.

Shape Neck
Note patt row on card. Using a length of MC, cast off centre 48 sts. Using nylon cord, K 54 [58, 61, 65, 68, 72] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 2 sts at beg of next and foll 2 alt rows. 48 [52, 55, 59, 62, 66] sts. K 2 rows. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

FRONT
Work as for back to *. K 182 rows. RC shows 184.

Shape Neck
Note patt row on card. Using a length of MC, cast off centre 30 sts. Using nylon cord, K 63 [67, 70, 74, 77, 81] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of every row until 48 [52, 55, 59, 62, 66] sts rem. K 14 rows. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES
With carriage at right and using MC, cast on 76 sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 30 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Using MT, K 2 rows. Release card and cont in Fair Isle patt. Shape sides by inc 1st at each end of next and every foll 4th row until there are 144 sts, then on every foll 3rd row until there are 152 sts. K 2 rows. RC shows 149. Cast off.

Jeans, FREEMANS. Earrings, LIBERTY.

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Pattern 10

CREAM TUCKS

A cosy cardigan with textured, tuck stitch patterning is an ideal partner to your child's party dress. It's designed by Fran Francis in easy-care Bramwell Fine 4 ply

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Bramwell Fine 4-ply.
(Yarn Guide No. 11.)
1 x 500g cone in Warm White (MY).
4 [4, 5, 5, 5, 6] buttons.

GARMENT WEIGHT
Finished garment in second size weighs 205g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to the following address:- F. W. Bramwell & Co. Ltd., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington BB5 5TU.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit chest 56 [61, 66, 71, 76, 82] cm, 22 [24, 26, 28, 30, 32] in.
Actual size 76 [81, 86, 91, 96, 100] cm, 30 [32, 34, 36, 38, 39½] in.
Length to shoulder 40.5 [44.5, 48, 52, 56, 59.5] cm, 16 [17½, 19, 20½, 22, 23½] in.
Sleeve seam 33 [36, 40, 44.5, 45.5, 47] cm, 13 [14½, 16, 17½, 18, 18½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
25 stitches and 58 rows to 10 cm, 4 in measured over tuck stitch (tension dial approximately 8).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used purl side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
We used a Silver Reed card for this pattern and reproduce it courtesy of Silver Reed. For further information about Silver Reed cards and machines, please write to Silver Knitting Machines Ltd., Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.

BACK
With carriage at right and using MY, cast on 98 [104, 110, 116, 122, 128] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 24 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Using MT, K 2 rows. Release card and cont in tuck st *. K 204 [228, 248, 272, 294, 316] rows. RC shows 206 [230, 250, 274, 296, 318]. Place marker between sts 21 and 22 [22 and 23, 22 and 23, 23 and 24, 23 and 24, 24 and 25] at left and right of centre 0. Cast off.

LEFT FRONT
With carriage at right and using MY, cast on 49 [52, 55, 58, 61, 64] sts at right of centre in 1x1 rib. Work as for back from * to *. ** K 74 [86, 96, 108, 120, 132] rows. RC shows 76 [88, 98, 110, 122, 134].

Shape Front Edge
Dec 1 st at left edge of next and every foll 6th [6th, 7th, 7th, 7th, 7th] row until 28 [30, 33, 35, 38, 40] sts rem. K 9 [15, 4, 9, 19, 22] rows. RC shows 206 [230, 250, 274, 296, 318]. Cast off **.

RIGHT FRONT
With carriage at right and using MY, cast on 49 [52, 55, 58, 61, 64] sts at left of centre in 1x1 rib. Work as for back from * to *. Work as for left front from ** to **, reversing shapings by reading right for left.

SLEEVES
With carriage at right and using MY, cast on 56 [60, 60, 64, 64, 68] sts at centre in 1x1 rib. Work as for back from * to *. Shape sides by inc 1 st at each end of next and every foll 9th [10th, 12th, 13th, 14th, 14th] row until there are 90 [94, 94, 98, 98, 102] sts. K 17 [17, 9, 19, 9, 17] rows. RC shows 164 [180, 204, 230, 236, 244]. Cast off.

FRONT BORDER
With carriage at right, push 10 Ns on each bed to WP for double rib/full needle rib. Using MY, cast on and K 5 tubular rows. Carriage is at right. Set carriage for double rib/full needle rib knitting. Set RC at 000. Using MT-5/MT-5, K 4 [6, 4, 5, 6, 6] rows. * Make a double eyelet buttonhole over centre 2 Ns on each bed. K 25 [27, 23, 25, 27, 23] rows. Rep from * 2 [2, 3, 3, 3, 4] times more. Make another buttonhole over same Ns as before. K until long enough to go along right front edge, across back of neck and along left front edge when slightly stretched. Transfer sts to main bed. Using MT, K 1 row. Cast off with a latch tool.

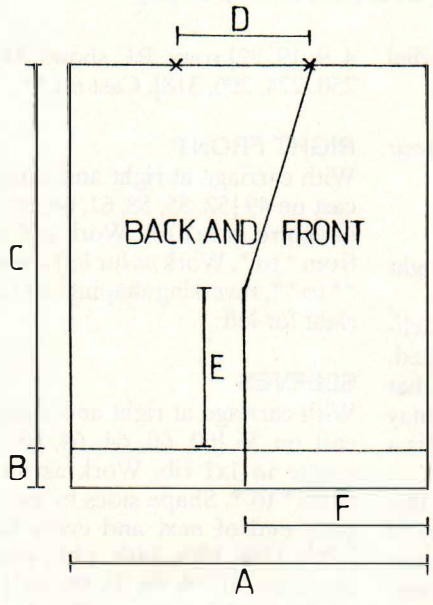
PRESSING
With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

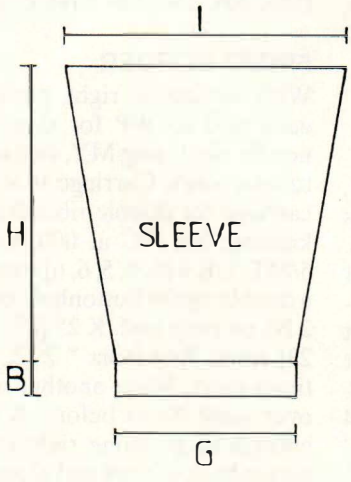
MAKING UP
Join shoulder seams. Set in sleeves, matching centre to shoulder seams. Join side and sleeve seams. Sew front border into position. Sew on buttons to correspond with buttonholes.

60 ▶

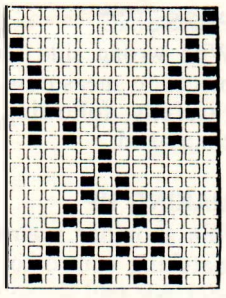
Adult's skirt, KAYS.

A = 39 [41.5, 44, 46, 48.5, 51] cm
B = 5 cm
C = 35.5 [39.5, 43, 47, 51, 54.5] cm
D = 16.5 [17.5, 17.5, 18, 18, 19] cm
E = 13 [15, 17, 19, 21, 23] cm
F = 19.5 [20.5, 22, 23, 24, 25.5] cm
G = 22 [24, 24, 25.5, 25.5, 27] cm
H = 28 [31, 35, 39.5, 40.5, 42] cm
I = 36 [37.5, 37.5, 39, 39, 40.5] cm

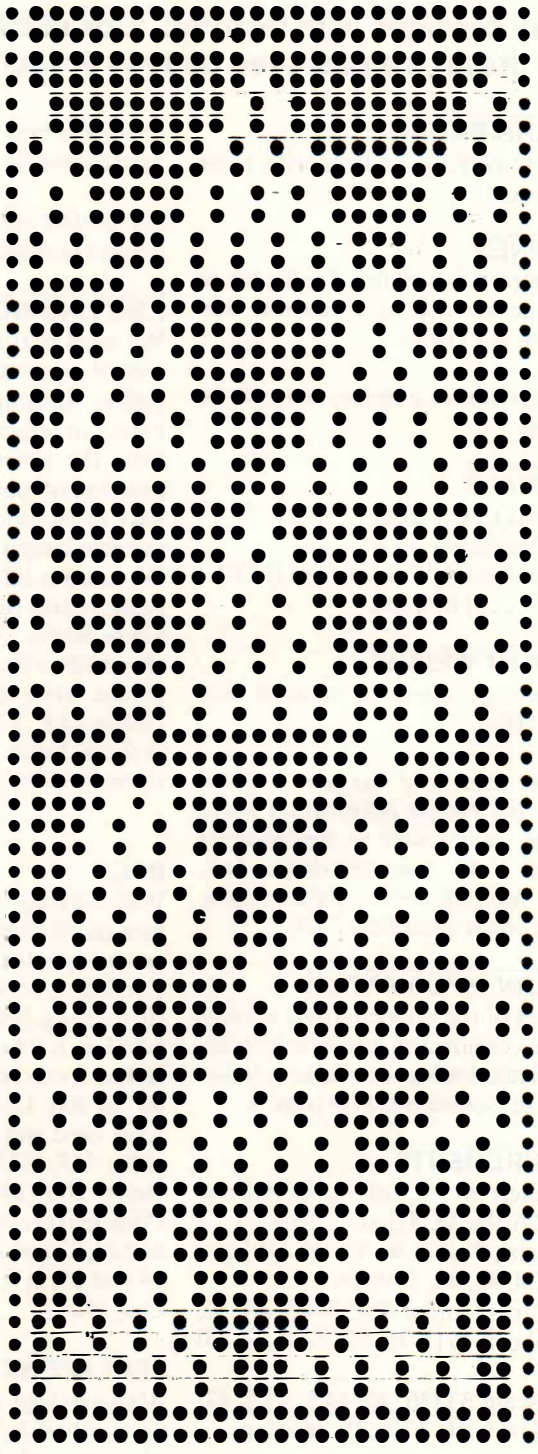




ELECTRONIC CHART



PUNCHCARD CHART



NECKBAND

With carriage at right and using MC, cast on 160 sts at centre in 1x1 rib. K 5tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 26 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

TO JOIN RIGHT SHOULDER

Push 48 [52, 55, 59, 62, 66] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT and MC, K 1 row. Cast off.

TO JOIN LEFT SHOULDER

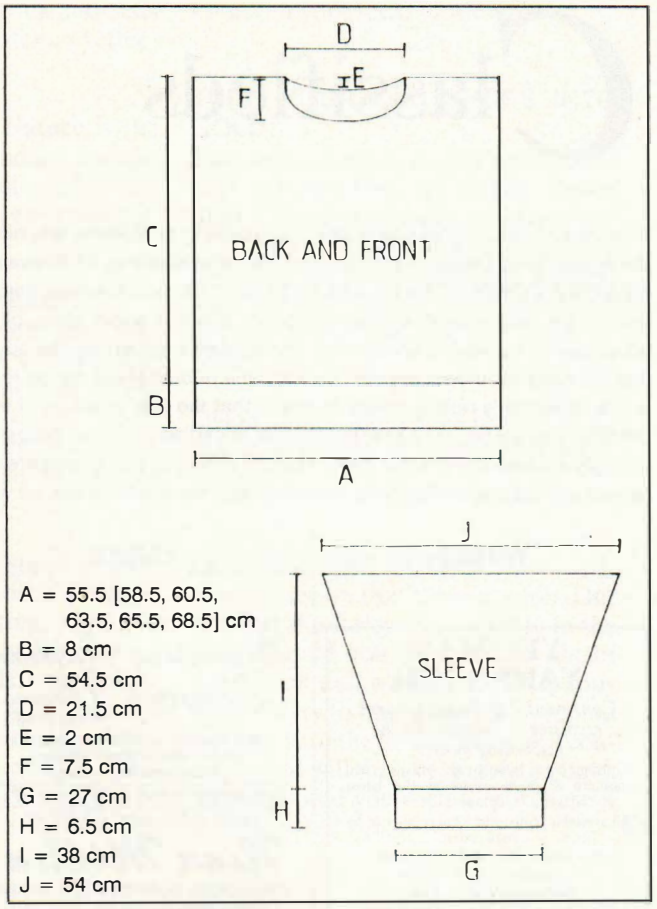
Work as for right shoulder, reading left for right.

PRESSING

Wash and dry all pieces. With wrong side facing, pin out all pieces to measurements given. Steam carefully, following instructions on cone band.

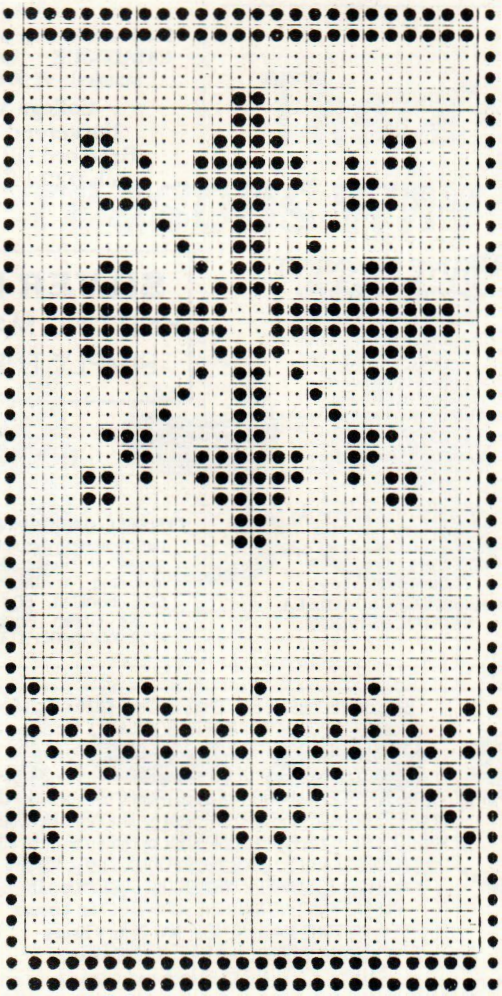
MAKING UP

Set in sleeves, matching centre to shoulder seams. Join side, sleeve and neckband seams. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Fold in half and catch down on inside.



A = 55.5 [58.5, 60.5, 63.5, 65.5, 68.5] cm
B = 8 cm
C = 54.5 cm
D = 21.5 cm
E = 2 cm
F = 7.5 cm
G = 27 cm
H = 6.5 cm
I = 38 cm
J = 54 cm

PUNCHCARD CHART



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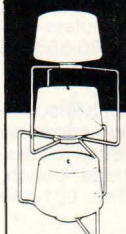

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SINGER KE2600 for spares as sinker plate missing, £25. Also charting device for Singer, never used, £25 plus p&p. Tel: 0522-722169 (Lincoln).

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KNITMASTER 360 knitting machine with punchcards, ribber, lace carriage, linker, intarsia carriage, transfer carriage, tilt stand, instruction books, £300. Tel: 0277-890220 (Ongar).

KNITMASTER 560 Electronic with KnitRadar, lace carriage, SRP60N ribber, £395. YC6 colour changer, £70. SC1 transfer carriage, £30. Weaving arm, £20. Tel: 041-812 2834 (Erskine).

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KEYTO knitting machine cabinet and bench, good condition, £70. Tel: 0462-732377 (Hitchin).

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KNITMASTER 700 plus SRP60 ribber, KnitRadar, manuals, punchcards, wool, patterns, table, accessories, all good working order, £300. Tel: 0202-892175 (Bournemouth).

KNITMASTER Zippy Plus, punchcards, manuals, £150 ono. Lace carriage, used once, £95 ono. Reason for sale - gone electronic. Tel: 0602-605399 (Nottingham).

BROTHER 950i electronic machine, KR850 ribber, KG93 garter carriage, KRC900 double bed colour changer, Hague linker, lots of wool, £1,200 ono. Tel: 0234-720720 (Bedford).

TOYOTA KS901 knitting machine plus ribber, lace carriage, KnitTracer, video, wool winder, transfer carriage, linker, ribber stand plus Toyota table, £425. Tel: 0268-293267 (Basildon).

KNITMASTER 700, plus SRP60 ribber, radar, manuals, punchcards, wools, patterns, table, accessories, all in good working order, £300 complete. Tel: 0202-892175 (Bournemouth).

BROTHER 950i electronic, KR850 ribber, KG93 garter carriage, KRC900 double bed colour changer, Hague linker, lots of wool, £1,200 ono. Tel: 0234-720720 (Bedford).

KNITMASTER 700, plus ribber, lace carriage, extras, £350. Knitmaster 155 chunky plus ribber, KnitRadar, intarsia, £350. Hague linker, grey, hand operated, £125. Tel: 0733-322179 (Peterborough).

BROTHER KH900 electronic knitting machine with KR850 ribber, Keyto cabinet, video, magazines, vgc, £600 cash. Tel: 0384-442038 (Stourbridge).

BROTHER KH260 chunky machine with ribber, intarsia carriage, wool winder, £400. Tel: 0772-793641 (Preston).

FOR SALE

BROTHER KH230 chunky machine plus KR230 chunky ribber, used once, boxed. Ill health forces sale, £300. Tel: 051-474 8559 (Liverpool).

BROTHER KH840 with KR850 ribber, KA8300 transfer carriage, lace carriage, punch, cards, table, £385. Tel: 021-357 6992 (Walsall).

PASSAP E6000 electronic, four colour changer, instruction manuals, pattern books, computer cards, tools, never been used, £950 for quick sale. Tel: 0797-224079 (Winchelsea).

BROTHER 881 punchcard machine with ribber, KnitLeader, lace carriage, punchcards, instruction books and cabinet. Buyer to collect, £400. Tel: 081-657 6669 (Croydon).

SINGER 2310 electronic knitting machine with transfer carriage and extra patterns, excellent condition, £200 ono. Calcuknit knitting calculator, £35 ono. Tel: 0902-765597 (Wolverhampton).

SINGER 2310 double bed electronic knitting machine, £395. Singer electric motor, fits most Singer knitting machines, £250. Singer Forma, £20. Tel: 0925-654012 (Warrington).

BROTHER KH900 electronic machine, as new, £500. Brother KR850 ribber, as new, £150. Hague hand operated linker with stand, boxed, £140. Books and wool. Tel: 0229-831393 (Barrow-in-Furness).

PASSAP Duomatic 80 with four colour changer, Deco and cards, U70 lace lock, various tools, instruction books, £225 ono. Tel: 0822-617634 (Tavistock).

KNITMASTER 360KL with SRP50 ribber, transfer carriage, table, fully serviced, excellent condition, £300. Tel: 0604-763571 (Northampton).

KNITMASTER 155 chunky machine with intarsia carriage, £220. Tel: 0705-695916 (Portsmouth).

PASSAP Duo 80 with motor, recently serviced. Tel: 0530-230077 (Ellistown, Leics).

KNITMASTER LC580 lace carriage, used once, boxed, £90. Tel: 0205-355256 (Boston).

KNITMASTER 700KL machine with ribber, colour changer, lace carriage, linker, transfer carriage, many accessories including books, magazines, tapes, wool winder, £750. Tel: 0452-617844 (Gloucester).

WANTED

CHUNKY magazines and Brother Machine Knitting Fashion, numbers 1-8 and 11. Details and prices please. Tel: 0269-825349 (Ammanford).

HORN K4 knitting cabinet, preferably with bench or drawer but not essential. Tel: 0734-693452 (Reading).

BROTHER KE100 Super drive or Power Knit 90. Tel: 0424-438662 (Hastings).

HAMLYN Basic Guide to Machine Knitting book by Patricia Graham. Tel: 0752-894408 (Plymouth).

POWER KNIT 90 for Brother machine. Must be in good condition. Tel: 0977-555987 (Castleford).

BOOK wanted, Jones Knitting Pattern, an old publication of stitch combinations. Tel: 0983-862161 (Isle of Wight).

RIBBER for Brother 260 chunky machine and ribber for Knitmaster 326. Tel: 0964-630563 (Hull).

BROTHER garter carriage for KH891. Tel: 0530-230077. (Ellistown, Leics).

SWAP

SINGER Big 9 chunky machine with instruction video, as new, will swap for any Brother accessory or CalcuKnit. Tel: 0255-431833 (Clacton).

BROTHER linker, hardly used, £30 or will swap for Brother KHC single bed colour changer. Tel: 081-520 7043 (London).

BROTHER 260 chunky ribber, intarsia etc, will swap for Silver Reed 860. Cash adjustment. Tel: 0375-370727 (Grays).

KNITMASTER SRP 60 ribber for standard gauge machine will swap for Brother 230 chunky ribber. Tel: 0923-440694 (Watford).

TOYOTA 901 with ribber, tilt table, KnitTracer and extras, will swap for Brother 260 with ribber. Tel: 0732-750237 (Sevenoaks).

TOYOTA Powerlock overlocker, used once, manual and video, will swap for Brother 260 chunky machine plus ribber or Passap Duo 80 plus four colour changer. Tel: 051-639 1504 (Wallasey).

ABBREVIATIONS

alt = alternate(ly)
beg = beginning
ch = chain
cm = centimetres
cont = continue(ing)
dc = double crochet
dec = decrease(ing)
foll = following
g = grams
HP = holding position
in = inch(es)
inc = increase(ing)
K = knit
mm = millimetres
MT = main tension
MT−1, MT−2, MT−3 = one, two, three full sizes tighter than main tension
MT+1, MT+2, MT+3 = one, two, three full sizes looser than main tension
MY = main yarn
N(s) = needle(s)
NWP = non working position
P = purl
patt = pattern
RC = row counter
rem = remain(ing)
rep = repeat
ss = stitch size
st(s) = stitch(es)
st st = stocking stitch
tog = together
UWP = upper working position
WP = working position
WY = waste yarn

YARNS

Yarns used for our patterns are matched to this guide for thickness. If you want to use a different yarn and, especially for readers overseas who may not be able to buy the originals, choose a yarn of the same thickness. If you do use a different yarn here are a few tips.

Firstly, your garment is likely to be more successful if you use a very similar yarn so look for slubbed cotton for slubbed cotton, acrylic for acrylic, wool for wool and so on. A change of fibre is perfectly possible but requires even more care in checking tension, quantity and, above all, suitability in the resulting 'feel' and 'hang' of the knitted fabric.

To compare yarns, hold the proposed substitute over the guide and stretch it out until it is just taut, not pulled tightly. A good match should fit the guide lines closely.

Now that you have a suitable yarn, how much do you buy? Whenever possible buy the yarn by length rather than weight as different fibres and treatments can vary the weight of yarns a great deal. A 500 gram cone of airy acrylic would have many more metres or yards of yarn on it than a 500 gram cone of much denser cotton.

After matching the tension, the garments in the original and substitute yarns would have much the same number of stitches knitted throughout and therefore need much the same yarn length. When you cannot discover the length on the cone it is best to err on the generous side whilst using your previous experience to decide how many cones you would expect the garment to take.

It is possible to work out the length required for a garment by measuring the length used for a tension square and calculating the total area of the garment from the diagram but I think you would need to be addicted to mathematics to find this worthwhile.

Having bought your yarn, experiment until you have matched the original tension. To achieve the best 'handle' it may be necessary to vary the number of stitches or rows a little. This is no problem if you are using a charting device but will require extra calculation if you want to follow the written pattern where the numbers stated for rows and stitches will not now apply.

If all this sounds like too much trouble, take care. You could be lucky and knit a perfect garment in the first yarn that comes to hand but you could also be badly disappointed. Time is precious to all of us so it is worth 'wasting' a little to avoid wasting a lot. You will be rewarded by a successful result.

MOCK RIB

Used for welts, cuffs, neckbands and other edges on single bed machines without a ribber.

Push the number of main bed needles given in pattern to working position. Push every alternate needle back to non-working position for a 1×1 rib or every third needle back to non-working position for a 2×1 rib. It may be necessary to reduce this number by one needle at one or both edges to keep rib even. (Increase the stitches after the mock rib has been worked to give the same number as the pattern.)

Using main tension and waste yarn, cast on and knit a few rows ending with carriage at left. Set row counter at 000. Using at least two full sizes tighter than main tension, knit the number of rows given in pattern for rib. Using three full sizes looser than this tension, knit one row. (This loose row gives a neat fold line.) Return to two full sizes tighter than main tension and knit the same number of rows as before. Push empty needles from non-working to working position and make a hem by placing loops of first row worked in main yarn evenly along the row. Make sure that each empty needle holds a loop to prevent a row of holes across the work.

Unravel waste yarn after work has been removed from machine. After garment has been blocked to size, insert a metal welt bar or thin, clean piece of wood through the hem and pull firmly downwards to draw stitches of mock rib closer together. Set the stitches by steaming lightly on wrong side, if pressing instructions permit.

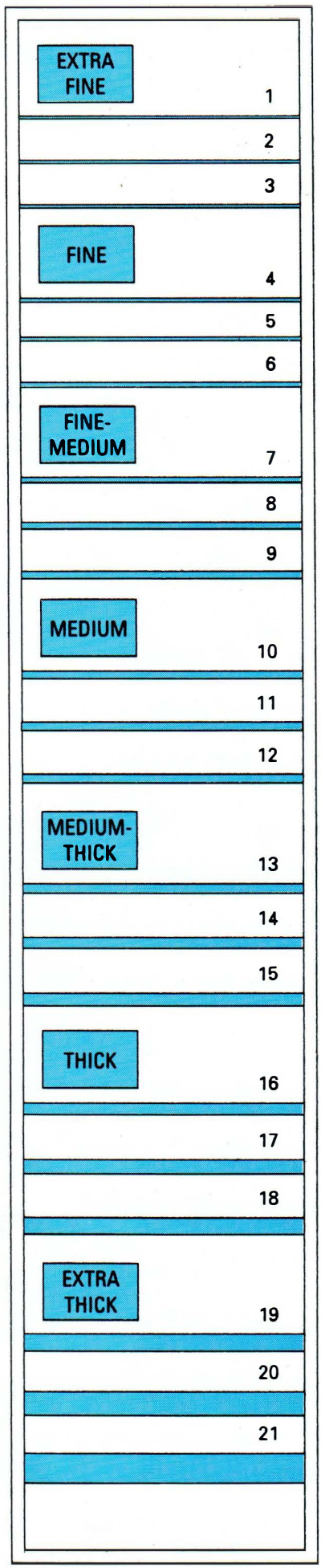
QUICK CAST-ON

This method can be used for both speed and when edges are either hidden or to be gathered by pulling up yarn end.

Carriage at right. Push alt Ns to WP. Use tension dial setting and either MY or WY as given in pattern. K1 row. Hook on cast-on comb. Push rem alt Ns into WP. K1 row. Carriage back at right. Cont as given in pattern instructions.

When knitting is removed from machine, pull yarn end at cast-on edge to gather up sts or, for a straight edge, pull yarn end to remove any slack and fasten off. See pattern for which is required. Your manual will describe this method of casting on although it may be called by a different name and may not use a cast-on comb.

YARN GUIDE



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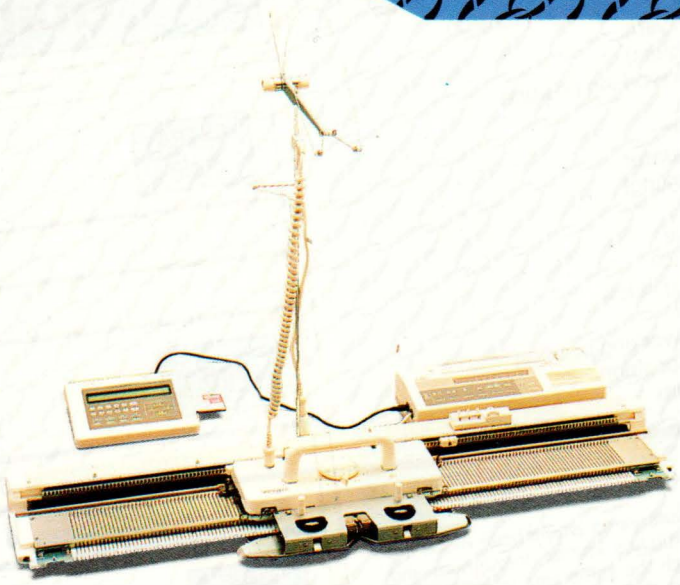
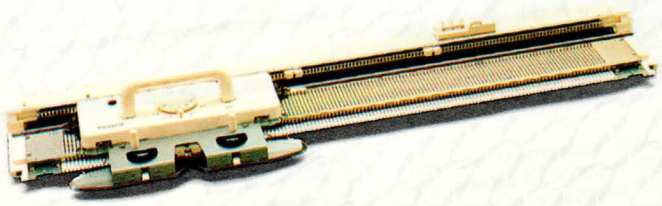
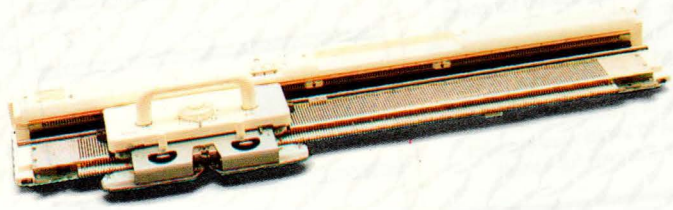


SK 890 *Chunky gauge*
Knits Mohair, Aran, Chunky



SK 860 *Double Knitting gauge*
Knits 4 ply, DK, Aran, Mohair



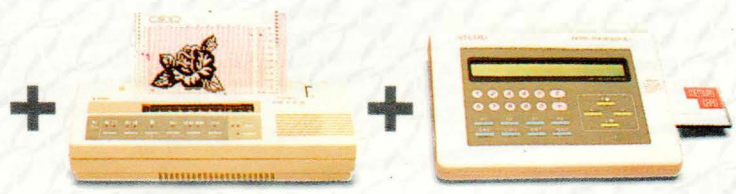
SK 840 *Standard gauge*
Knits 2 ply, 3 ply, 4 ply

SK 830 *Fine gauge*
Knits 1 ply, 2 ply, 3 ply

The Silver EC1 Pattern Controller gives you great flexibility.

Just one is needed for all four beds. Use any of the 50 pre-printed designs - or draw your own on easy-to-use pattern cards. Cards and books from previous models are also compatible. Additionally, you can vary your patterns at the touch of a button: from doubling the height to changing single bed patterns into Double Jacquard designs and more.
And the second Stitch Width Indicator lets you select any part of a pattern to create extra designs - with no programming required.

Silver EC1 *Pattern Controller*



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